

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032124\
 Data File : VU058181.D
 Acq On : 21 Mar 2024 12:59
 Operator : MD/SY
 Sample : VSTD005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 22 04:40:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 22 04:38:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	93508	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	90693	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	43510	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	38089	5.546	ug/L	0.00
7) Chloroethane-d5	1.911	69	31737	5.597	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	16139	5.486	ug/L	0.00
20) 2-Butanone-d5	4.624	46	70123	61.075	ug/L	0.00
24) Chloroform-d	5.055	84	69533	5.415	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	33096	5.640	ug/L	0.00
32) Benzene-d6	5.718	84	141736	5.318	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	42391	5.258	ug/L	0.00
41) Toluene-d8	7.891	98	127484	5.302	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	13379	4.940	ug/L	0.00
46) 2-Hexanone-d5	8.627	63	52749	56.176	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	26553	5.386	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	37780	5.214	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	19201	3.660	ug/L	100
3) Chloromethane	1.518	50	23986	3.858	ug/L	100
5) Vinyl chloride	1.602	62	25721	3.871	ug/L	100
6) Bromomethane	1.856	94	14215	4.016	ug/L	100
8) Chloroethane	1.930	64	17928	4.221	ug/L	100
9) Trichlorofluoromethane	2.136	101	42090	4.326	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	27178	4.435	ug/L	100
12) 1,1-Dichloroethene	2.576	96	22208	4.155	ug/L	100
13) Acetone	2.641	43	41958	51.448	ug/L	100
14) Carbon disulfide	2.792	76	51681	3.239	ug/L	100
15) Methyl Acetate	2.952	43	9445	5.215	ug/L	100
16) Methylene chloride	3.039	84	27547	4.153	ug/L	100
17) Methyl tert-butyl Ether	3.354	73	60404	4.648	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	23492	4.021	ug/L	100
19) 1,1-Dichloroethane	3.862	63	54704	4.599	ug/L	100
21) 2-Butanone	4.705	43	64343	50.033	ug/L	100
22) cis-1,2-Dichloroethene	4.657	96	29734	4.544	ug/L	100
23) Bromochloromethane	4.968	128	11814	4.841	ug/L	100
25) Chloroform	5.078	83	56373	4.614	ug/L	100
27) 1,2-Dichloroethane	5.785	62	32106	4.752	ug/L	100
29) 1,1,1-Trichloroethane	5.306	97	46444	4.455	ug/L	100
30) Cyclohexane	5.380	56	39047	3.832	ug/L	100
31) Carbon tetrachloride	5.518	117	38274	4.269	ug/L	100
33) Benzene	5.766	78	118319	4.416	ug/L	100
34) Trichloroethene	6.534	95	30039	4.260	ug/L	100
35) Methylcyclohexane	6.756	83	41482	3.939	ug/L	100
37) 1,2-Dichloropropane	6.782	63	32282	4.633	ug/L	100
38) Bromodichloromethane	7.097	83	37556	4.473	ug/L	100
39) cis-1,3-Dichloropropene	7.599	75	42243	4.452	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	160801	49.821	ug/L	100
42) Toluene	7.962	91	123419	4.438	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	33555	4.433	ug/L	100

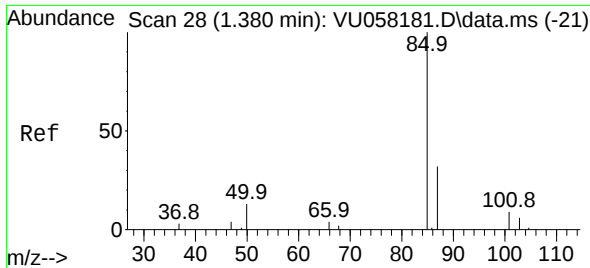
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032124\
 Data File : VU058181.D
 Acq On : 21 Mar 2024 12:59
 Operator : MD/SY
 Sample : VSTD005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 22 04:40:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 22 04:38:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	20193	4.840	ug/L	100
47) Tetrachloroethene	8.547	164	20747	4.257	ug/L	100
48) 2-Hexanone	8.679	43	113117	47.921	ug/L	100
49) Dibromochloromethane	8.801	129	22648	4.646	ug/L	100
50) 1,2-Dibromoethane	8.917	107	17882	4.858	ug/L	100
51) Chlorobenzene	9.441	112	79261	4.497	ug/L	100
52) Ethylbenzene	9.563	91	136516	4.377	ug/L	100
53) m,p-Xylene	9.685	106	49566	4.461	ug/L	100
54) o-Xylene	10.094	106	50439	4.510	ug/L	100
55) Styrene	10.107	104	79537	4.564	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	24278	4.934	ug/L	100
59) Bromoform	10.283	173	11214	4.707	ug/L	100
60) Isopropylbenzene	10.476	105	127902	4.531	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	17396	4.939	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	106846	4.489	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	105951	4.524	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	58516	4.529	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	56109	4.449	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	53782	4.744	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	3150	4.545	ug/L	100
69) 1,3,5-Trichlorobenzene	13.213	180	40983	4.424	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	30487	4.403	ug/L	100
71) Naphthalene	14.081	128	38988	4.123	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	24827	4.489	ug/L	100

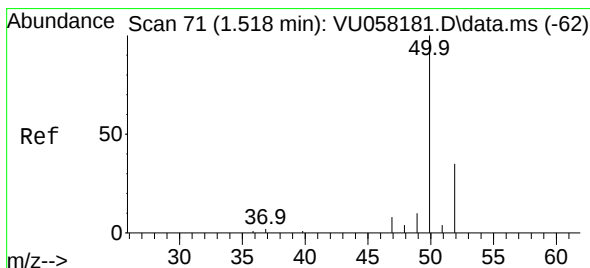
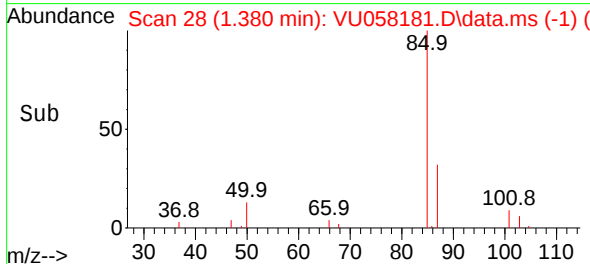
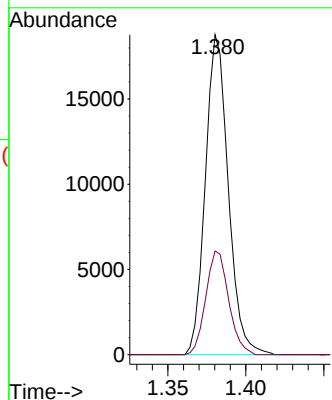
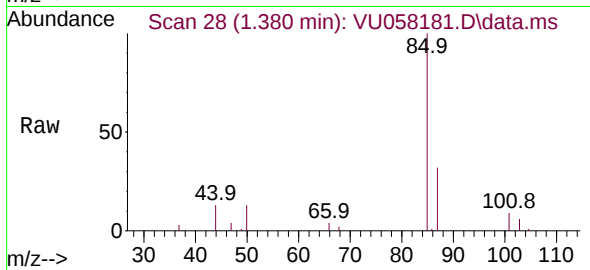
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 3.660 ug/L
RT: 1.380 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

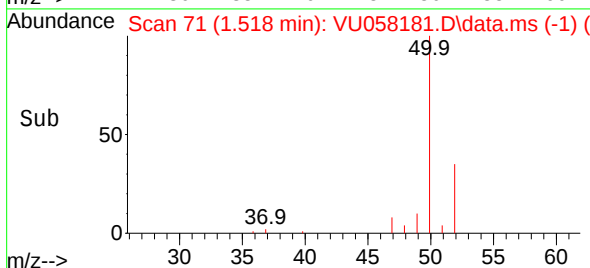
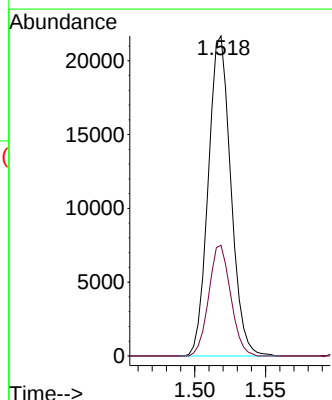
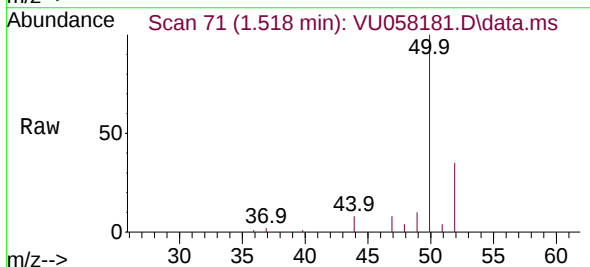
Instrument :
MSVOA_U
ClientSampleId :

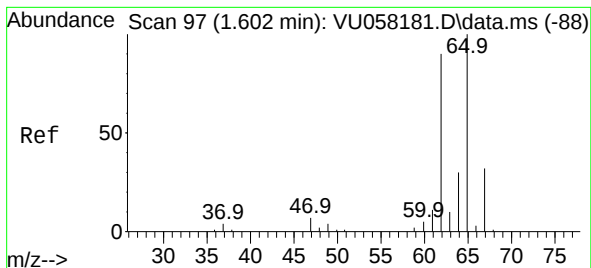
Tgt Ion: 85 Resp: 19201
Ion Ratio Lower Upper
85 100
87 32.3 25.8 38.8



#3
Chloromethane
Concen: 3.858 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

Tgt Ion: 50 Resp: 23986
Ion Ratio Lower Upper
50 100
52 34.6 24.2 45.0





#5

Vinyl chloride

Concen: 3.871 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU058181.D

Acq: 21 Mar 2024 12:59

Instrument :

MSVOA_U

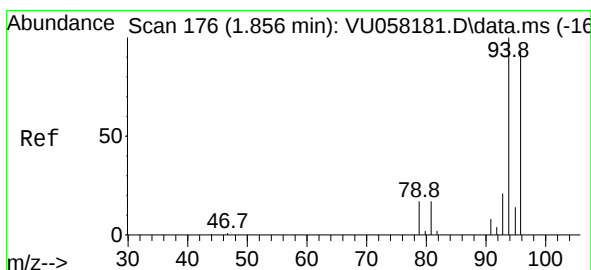
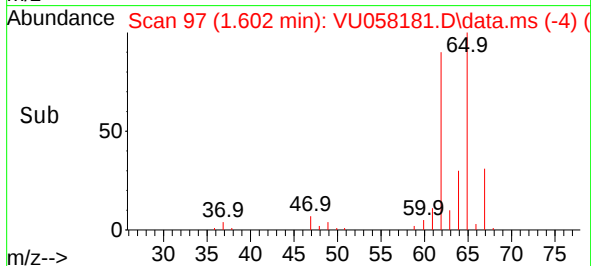
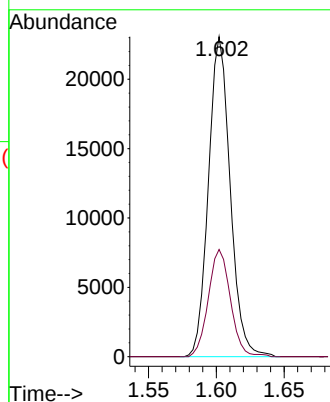
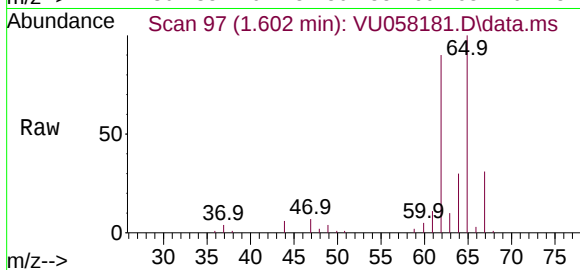
ClientSampleId :

Tgt Ion: 62 Resp: 25721

Ion Ratio Lower Upper

62 100

64 33.5 23.4 43.6



#6

Bromomethane

Concen: 4.016 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.000 min

Lab File: VU058181.D

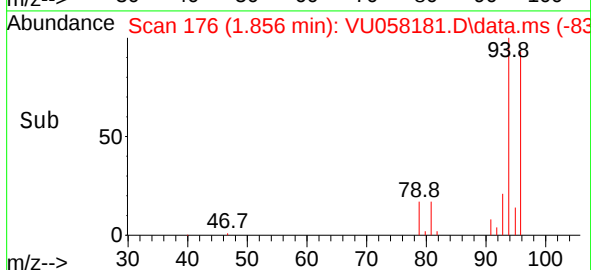
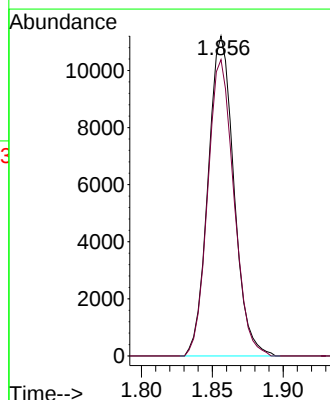
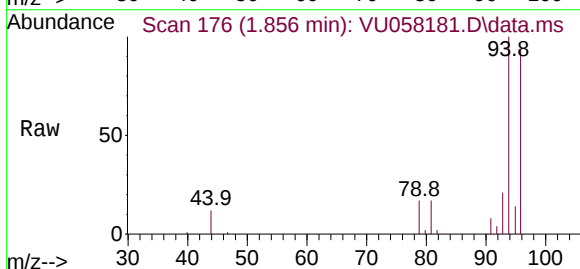
Acq: 21 Mar 2024 12:59

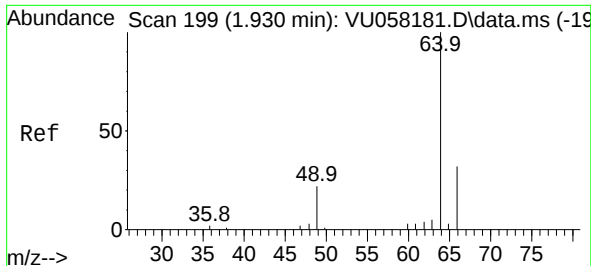
Tgt Ion: 94 Resp: 14215

Ion Ratio Lower Upper

94 100

96 92.6 64.8 120.4

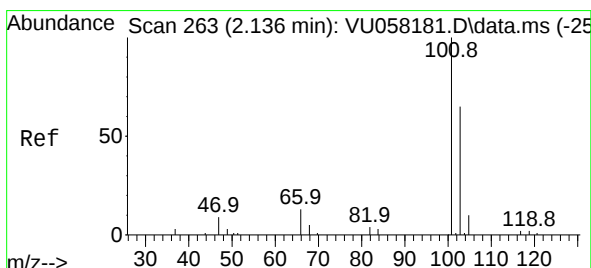
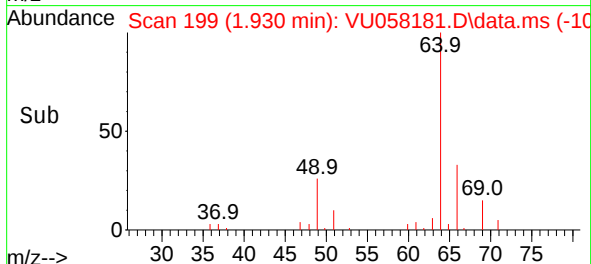
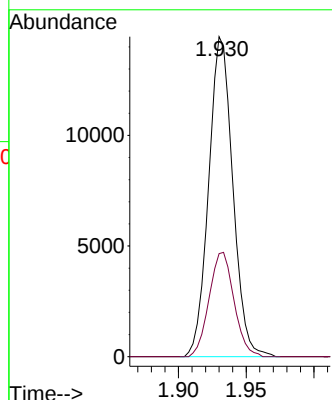
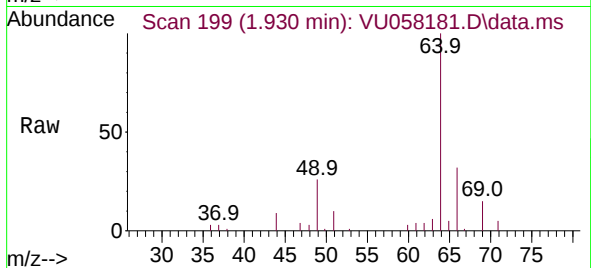




#8
Chloroethane
Concen: 4.221 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

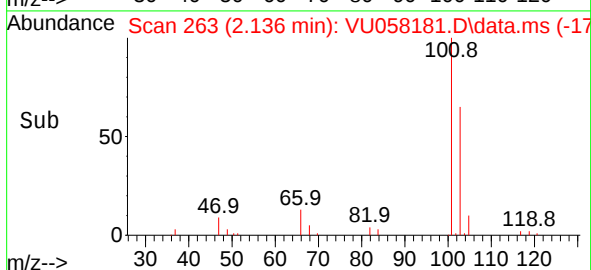
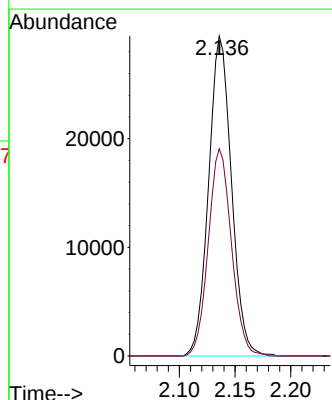
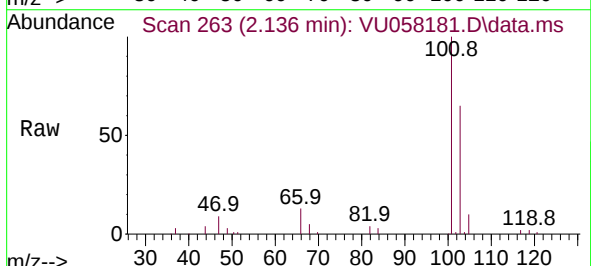
Instrument :
MSVOA_U
ClientSampleId :

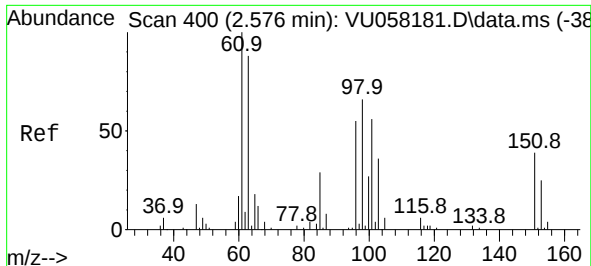
Tgt Ion: 64 Resp: 17928
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 4.326 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

Tgt Ion:101 Resp: 42090
Ion Ratio Lower Upper
101 100
103 65.4 52.3 78.5

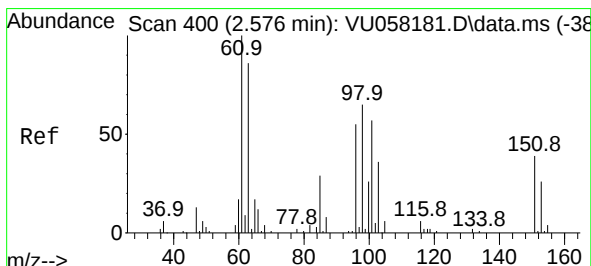
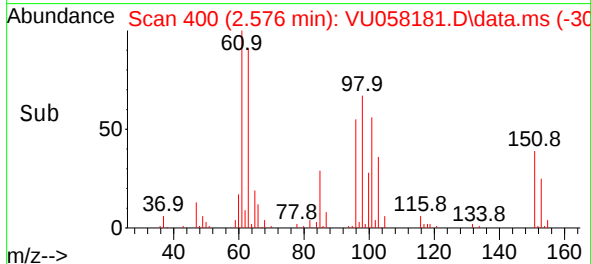
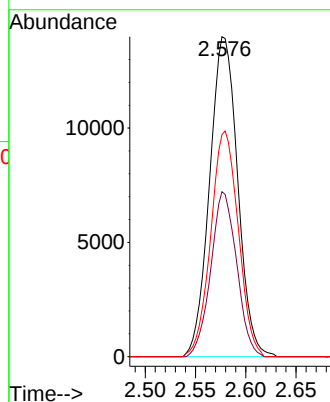
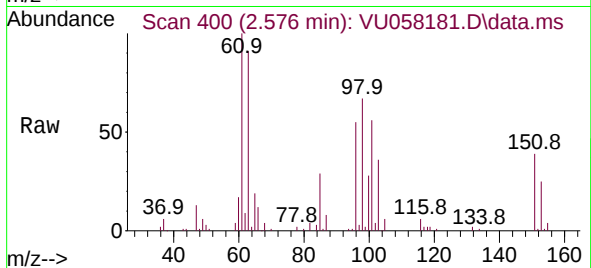




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.435 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

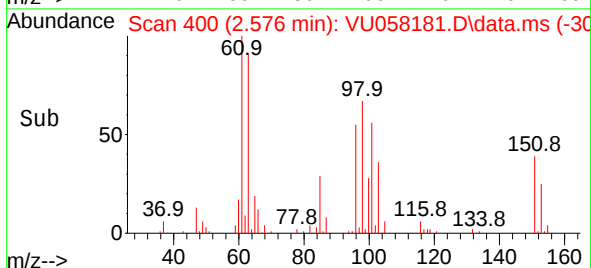
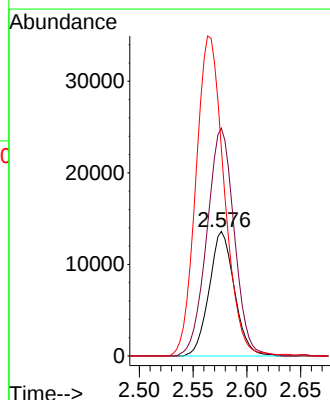
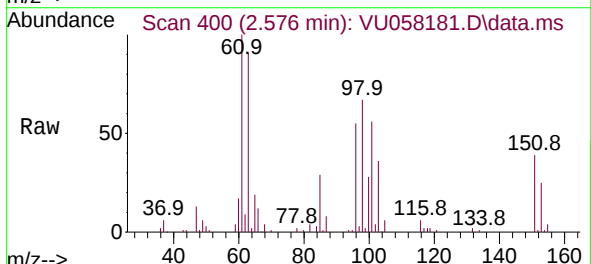
Instrument :
MSVOA_U
ClientSampleId :

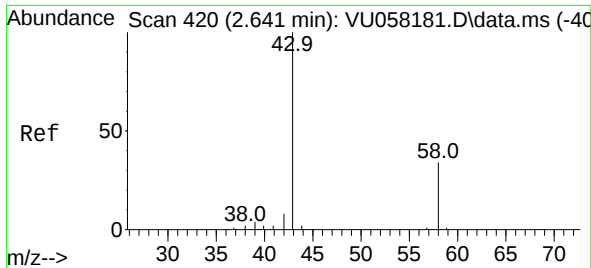
Tgt Ion:101 Resp: 27178
Ion Ratio Lower Upper
101 100
85 47.4 37.9 56.9
151 69.1 55.3 82.9



#12
1,1-Dichloroethene
Concen: 4.155 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

Tgt Ion: 96 Resp: 22208
Ion Ratio Lower Upper
96 100
61 183.0 128.1 237.9
63 166.9 116.8 217.0





#13

Acetone

Concen: 51.448 ug/L

RT: 2.641 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU058181.D

Acq: 21 Mar 2024 12:59

Instrument :

MSVOA_U

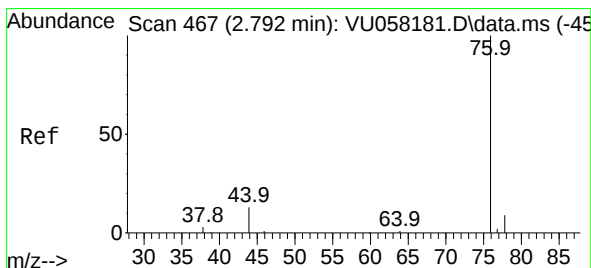
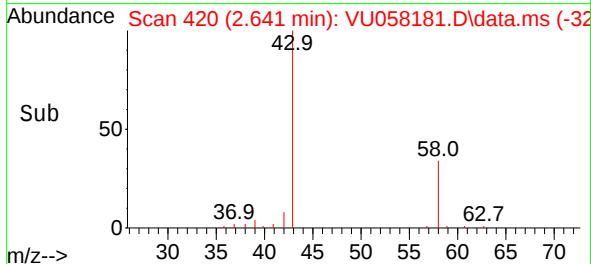
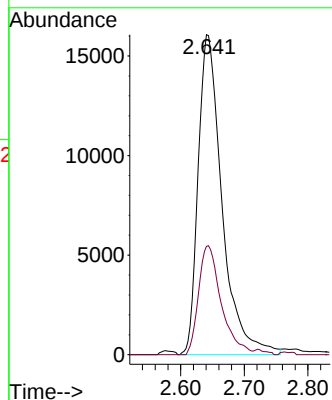
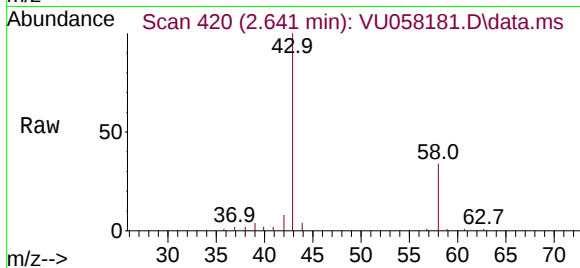
ClientSampleId :

Tgt Ion: 43 Resp: 41958

Ion Ratio Lower Upper

43 100

58 32.3 0.0 64.6



#14

Carbon disulfide

Concen: 3.239 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU058181.D

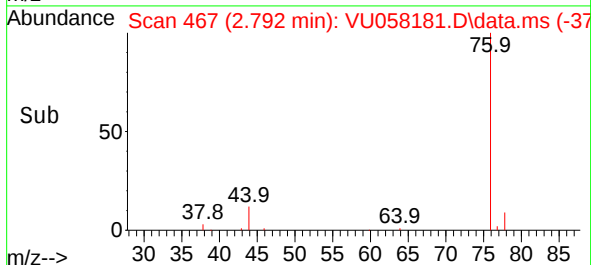
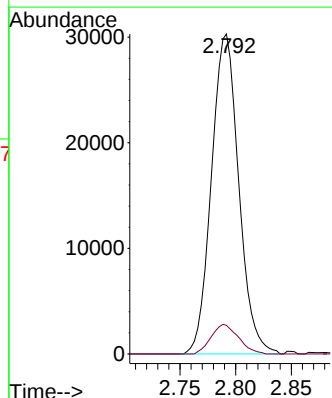
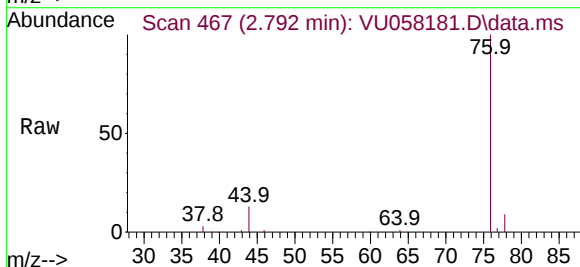
Acq: 21 Mar 2024 12:59

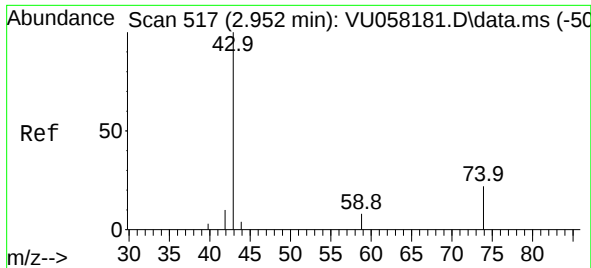
Tgt Ion: 76 Resp: 51681

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

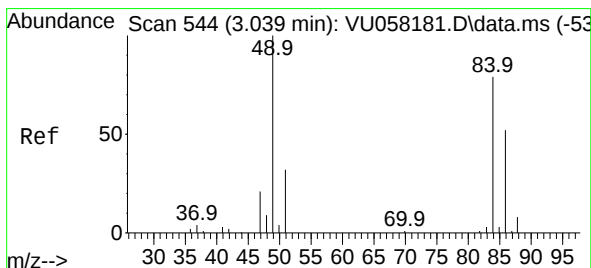
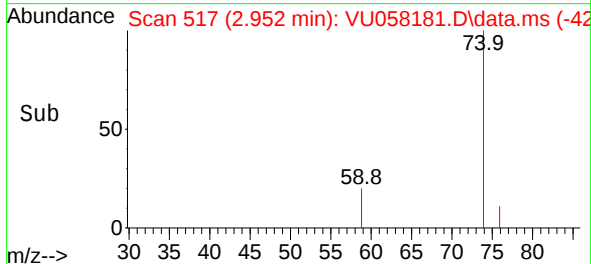
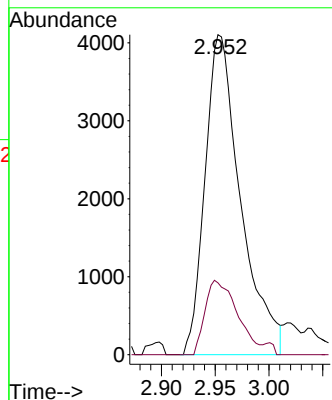
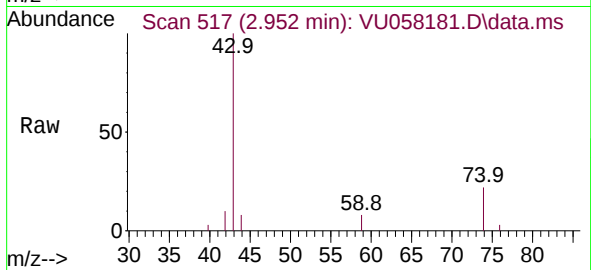




#15
Methyl Acetate
Concen: 5.215 ug/L
RT: 2.952 min Scan# 517
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

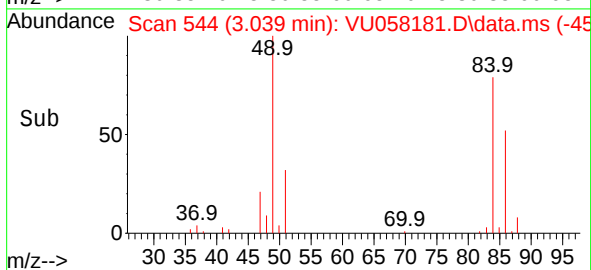
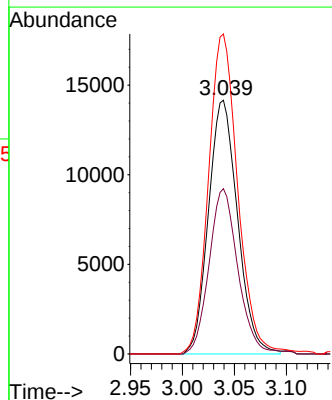
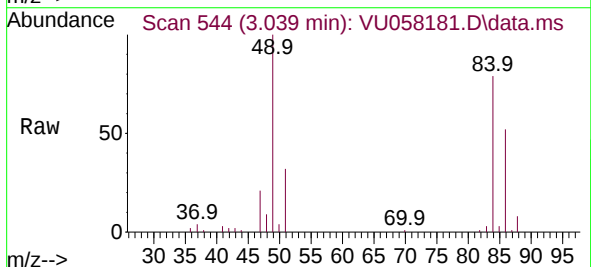
Instrument :
MSVOA_U
ClientSampleId :

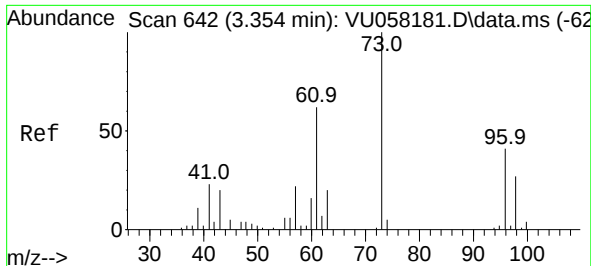
Tgt Ion: 43 Resp: 9445
Ion Ratio Lower Upper
43 100
74 21.0 16.8 25.2



#16
Methylene chloride
Concen: 4.153 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

Tgt Ion: 84 Resp: 27547
Ion Ratio Lower Upper
84 100
86 65.1 45.6 84.6
49 126.1 88.3 163.9

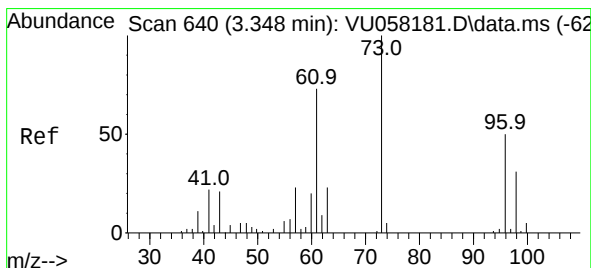
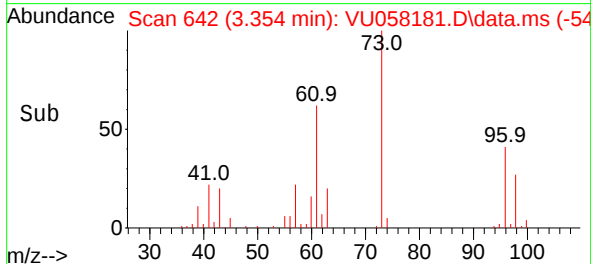
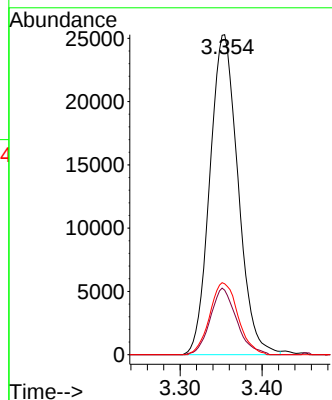
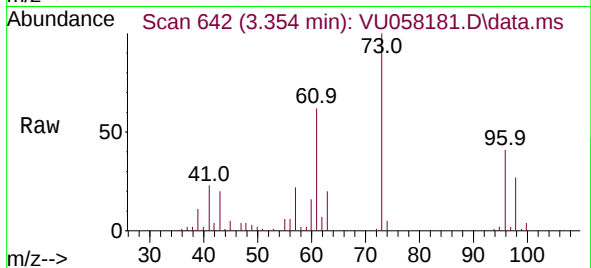




#17
Methyl tert-butyl Ether
Concen: 4.648 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

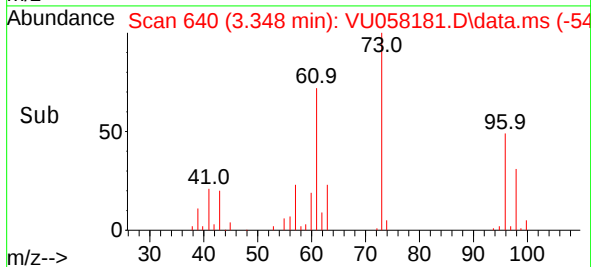
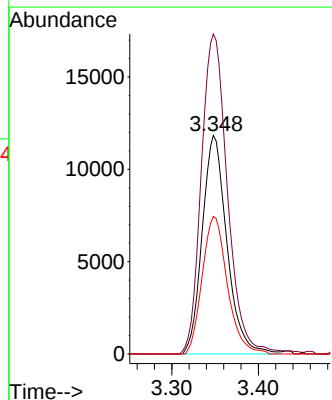
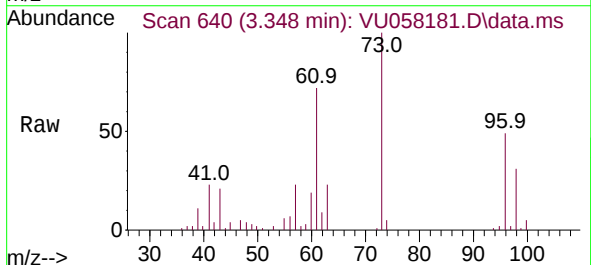
Instrument :
MSVOA_U
ClientSampleId :

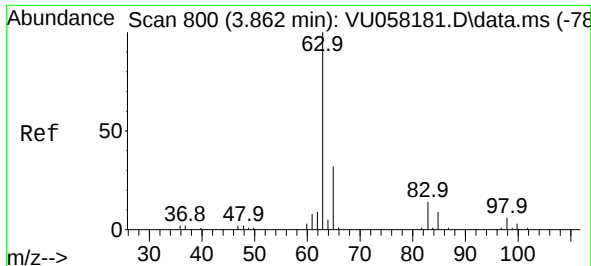
Tgt Ion: 73	Resp: 60404
Ion Ratio	Lower Upper
73 100	
43 19.4	15.5 23.3
57 22.5	18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 4.021 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

Tgt Ion: 96	Resp: 23492
Ion Ratio	Lower Upper
96 100	
61 146.4	102.5 190.3
98 62.9	44.0 81.8

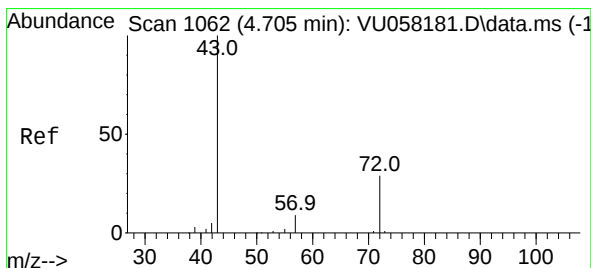
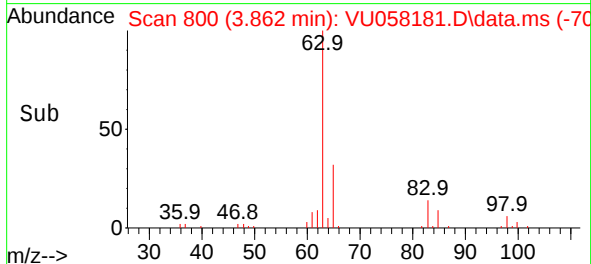
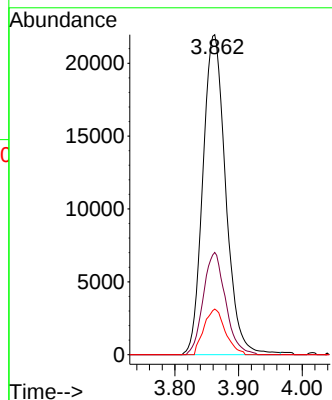
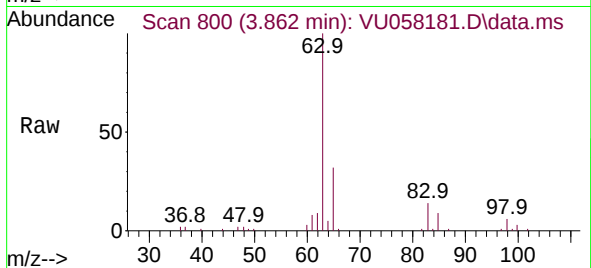




#19
1,1-Dichloroethane
Concen: 4.599 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

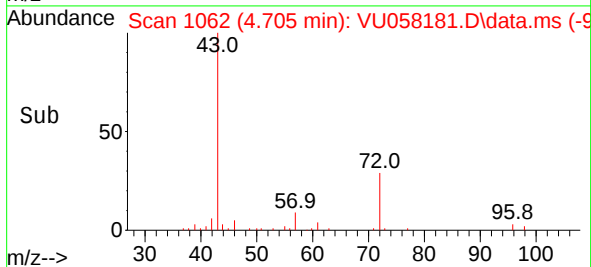
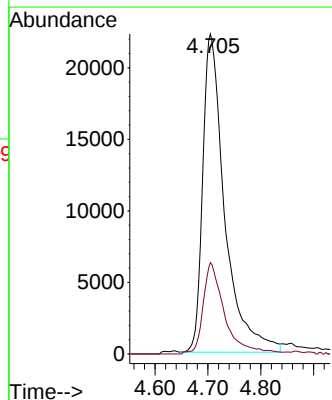
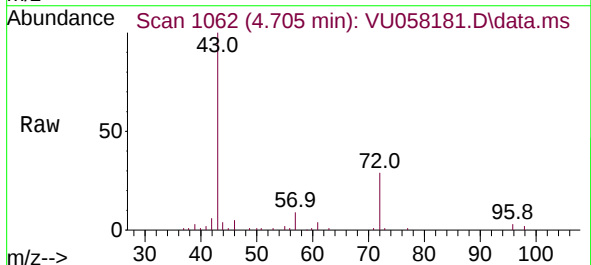
Instrument :
MSVOA_U
ClientSampleId :

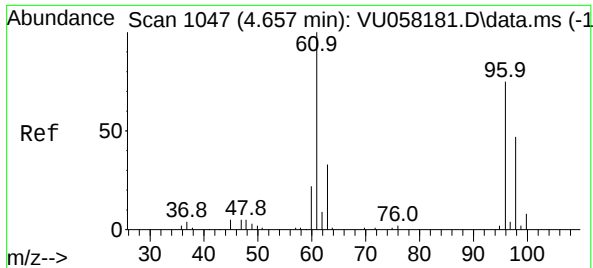
Tgt Ion: 63 Resp: 54704
Ion Ratio Lower Upper
63 100
65 31.9 22.3 41.5
83 14.3 10.0 18.6



#21
2-Butanone
Concen: 50.033 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

Tgt Ion: 43 Resp: 64343
Ion Ratio Lower Upper
43 100
72 27.9 14.0 41.9

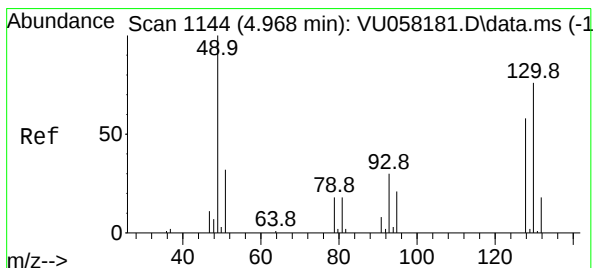
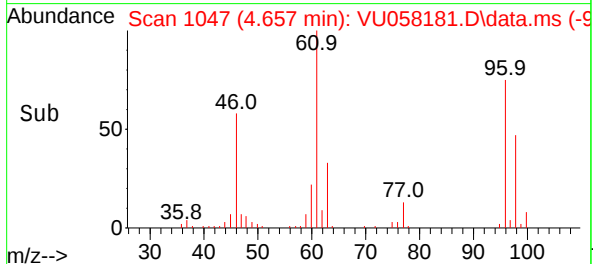
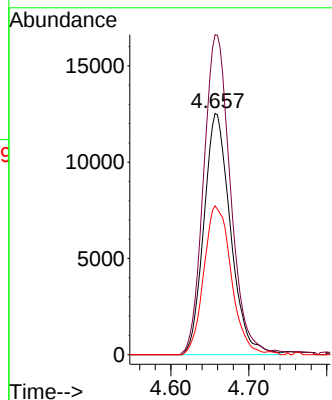
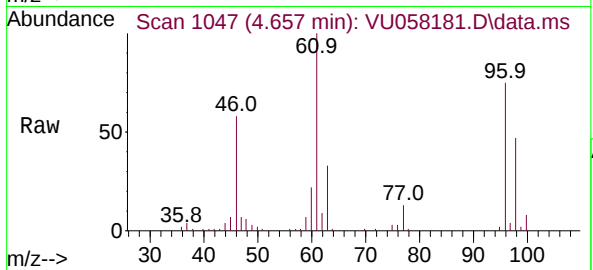




#22
 cis-1,2-Dichloroethene
 Concen: 4.544 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. 0.000 min
 Lab File: VU058181.D
 Acq: 21 Mar 2024 12:59

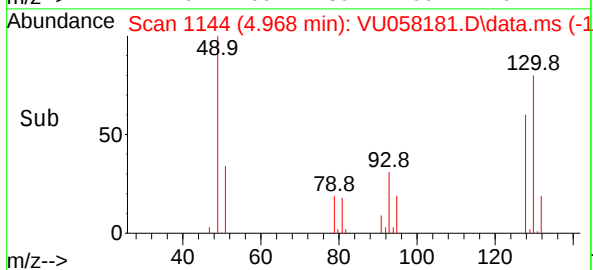
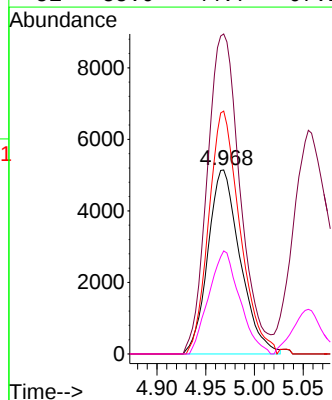
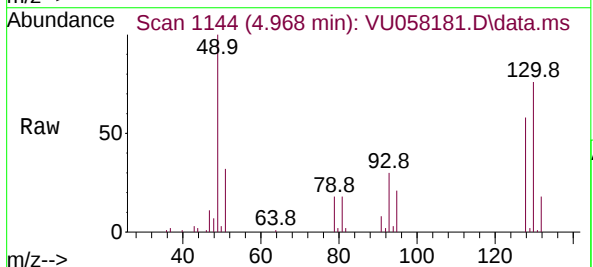
Instrument :
 MSVOA_U
 ClientSampleId :

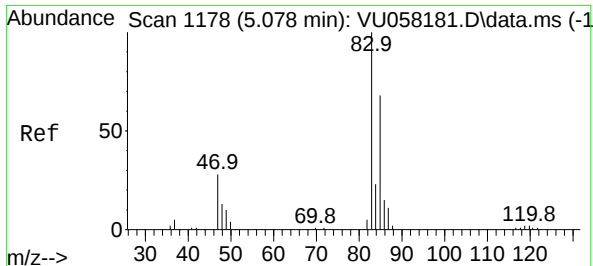
Tgt Ion:	96	Resp:	29734
Ion	Ratio	Lower	Upper
96	100		
61	132.6	92.8	172.4
98	61.7	43.2	80.2



#23
 Bromochloromethane
 Concen: 4.841 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU058181.D
 Acq: 21 Mar 2024 12:59

Tgt Ion:	128	Resp:	11814
Ion	Ratio	Lower	Upper
128	100		
49	178.6	125.0	232.2
130	131.9	92.3	171.5
51	55.9	44.7	67.1

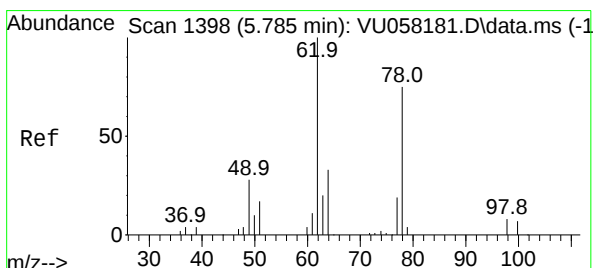
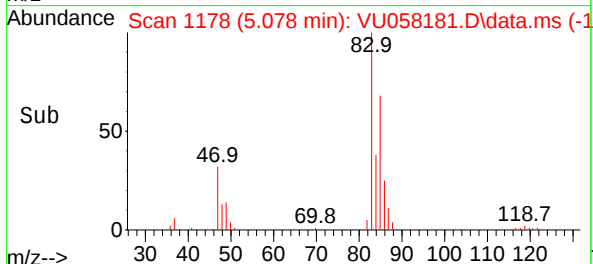
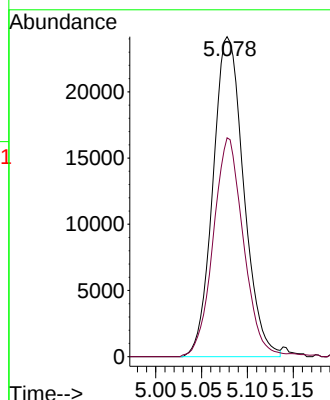
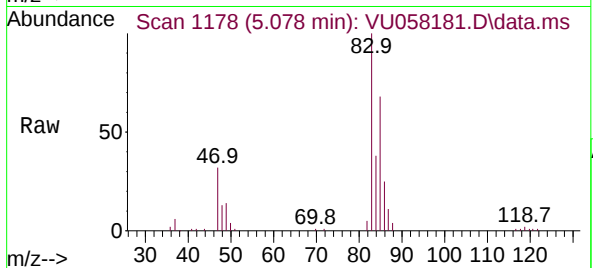




#25
Chloroform
Concen: 4.614 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

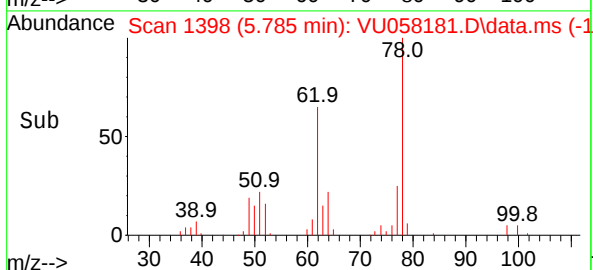
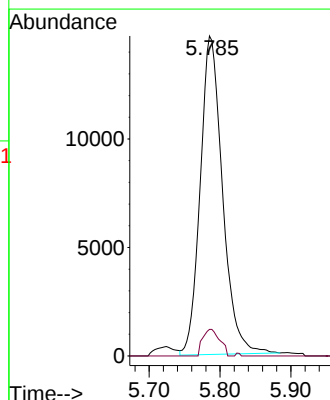
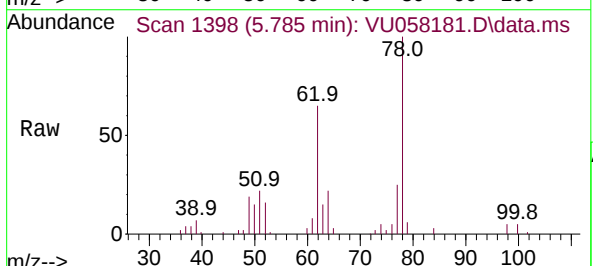
Instrument :
MSVOA_U
ClientSampleId :

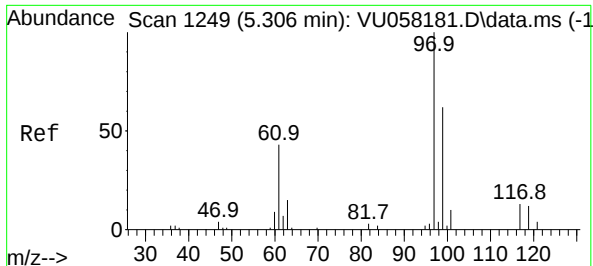
Tgt Ion: 83 Resp: 56373
Ion Ratio Lower Upper
83 100
85 68.4 47.9 88.9



#27
1,2-Dichloroethane
Concen: 4.752 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

Tgt Ion: 62 Resp: 32106
Ion Ratio Lower Upper
62 100
98 8.3 6.6 10.0

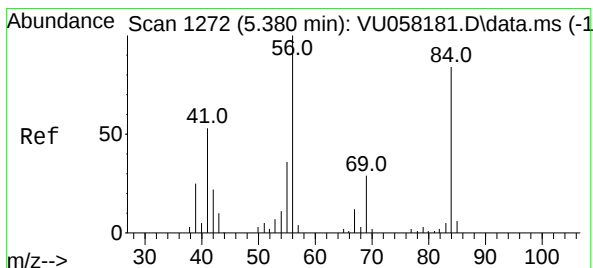
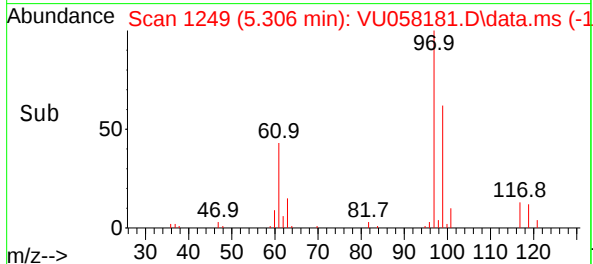
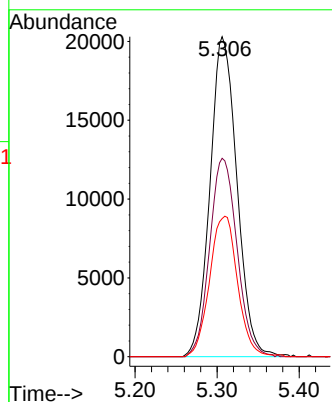
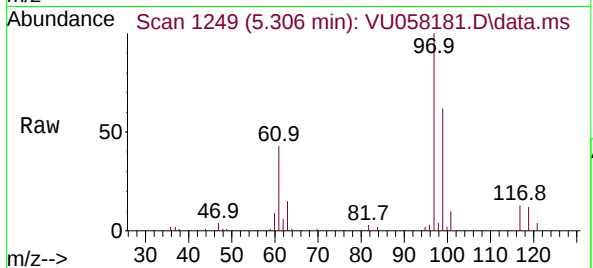




#29
1,1,1-Trichloroethane
Concen: 4.455 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

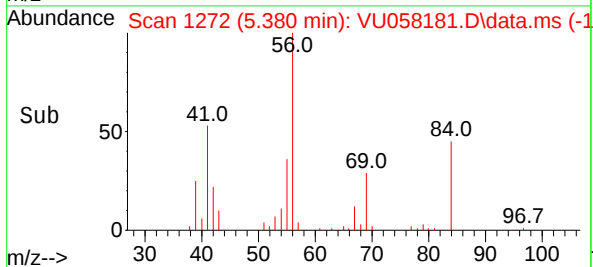
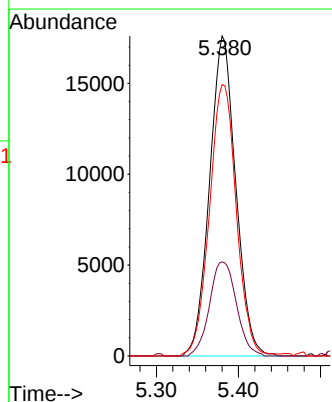
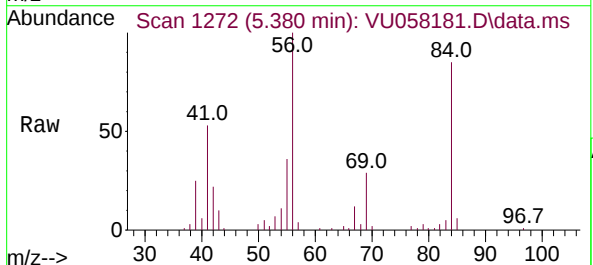
Instrument :
MSVOA_U
ClientSampleId :

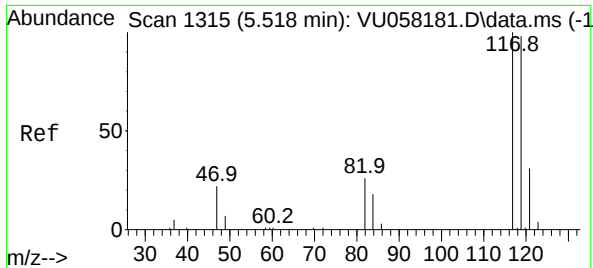
Tgt Ion: 97 Resp: 46444
Ion Ratio Lower Upper
97 100
99 63.1 50.5 75.7
61 45.4 36.3 54.5



#30
Cyclohexane
Concen: 3.832 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

Tgt Ion: 56 Resp: 39047
Ion Ratio Lower Upper
56 100
69 30.2 24.2 36.2
84 87.1 69.7 104.5

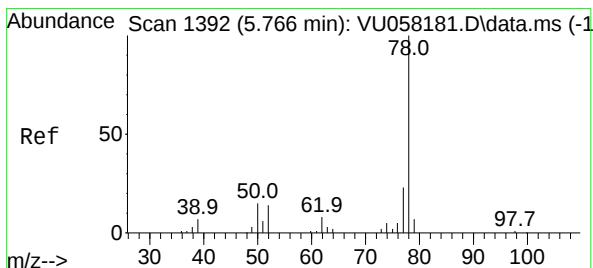
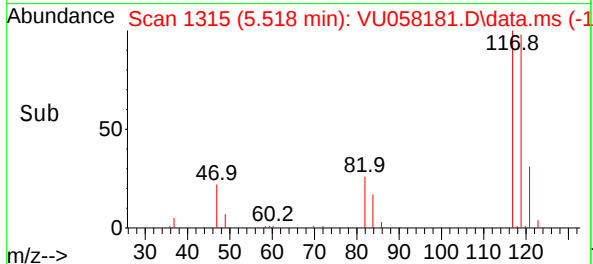
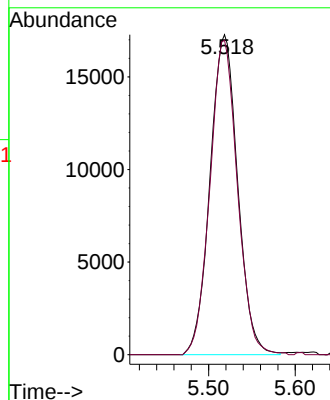
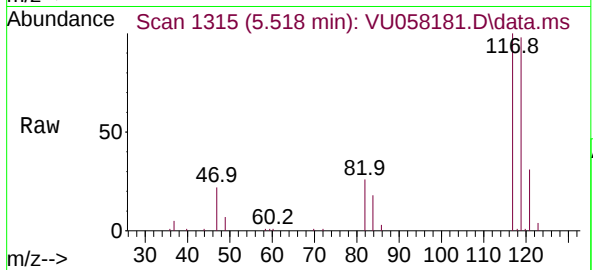




#31
Carbon tetrachloride
Concen: 4.269 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

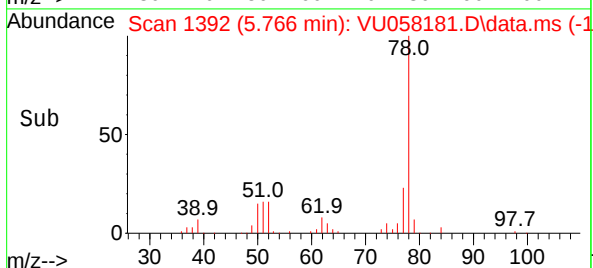
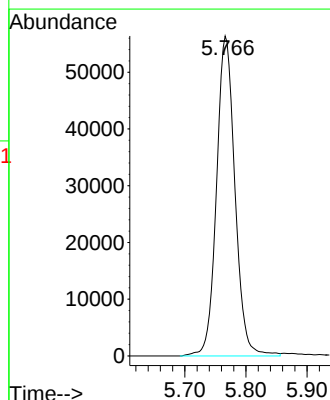
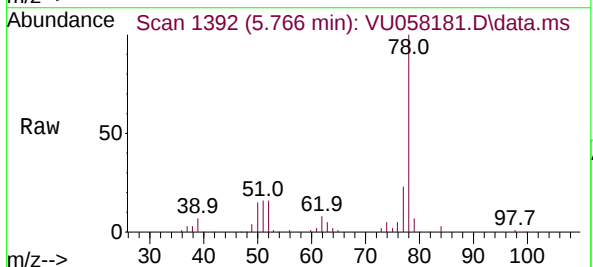
Instrument :
MSVOA_U
ClientSampleId :

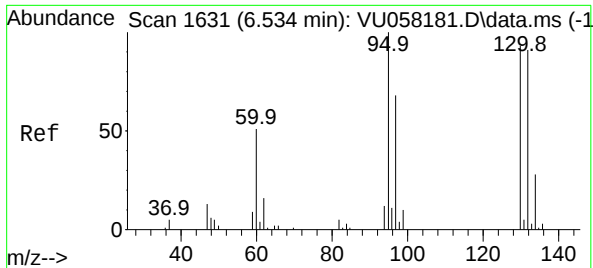
Tgt Ion:117 Resp: 38274
Ion Ratio Lower Upper
117 100
119 97.6 78.1 117.1



#33
Benzene
Concen: 4.416 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

Tgt Ion: 78 Resp: 118319

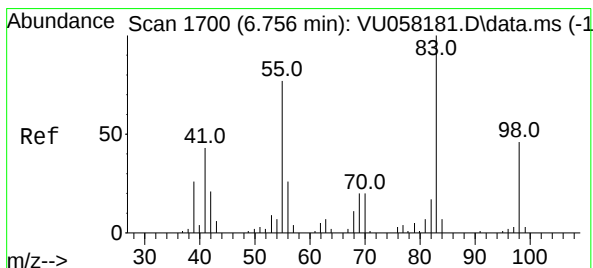
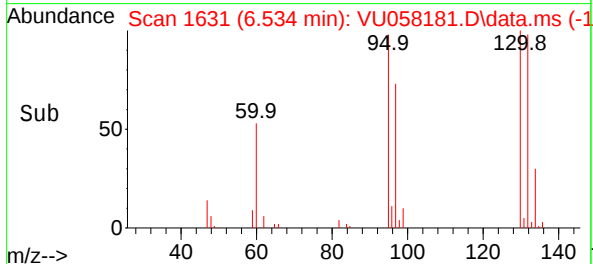
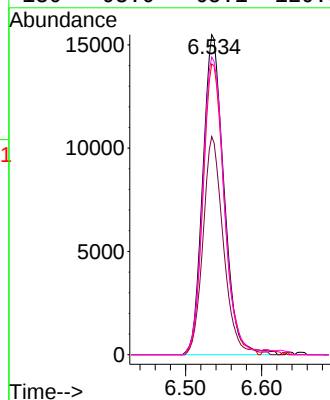
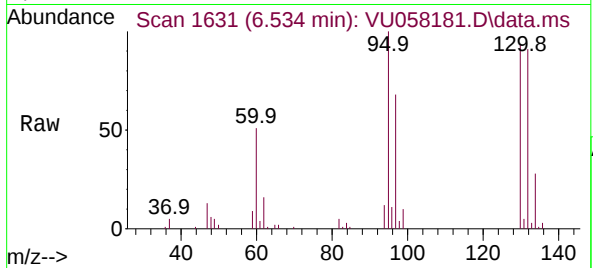




#34
Trichloroethene
Concen: 4.260 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

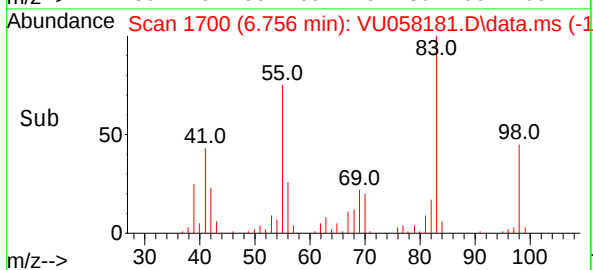
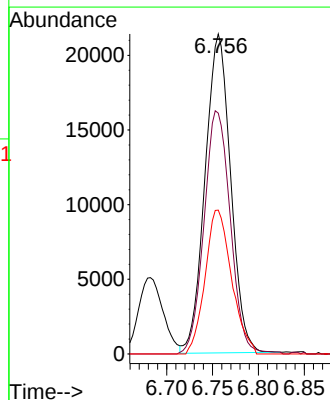
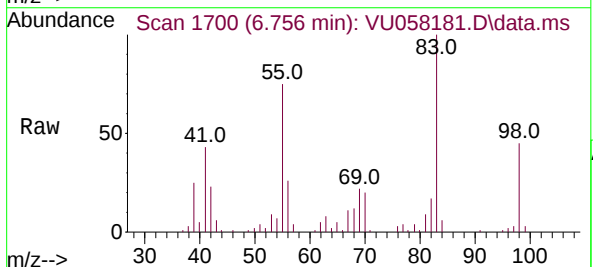
Instrument :
MSVOA_U
ClientSampleId :

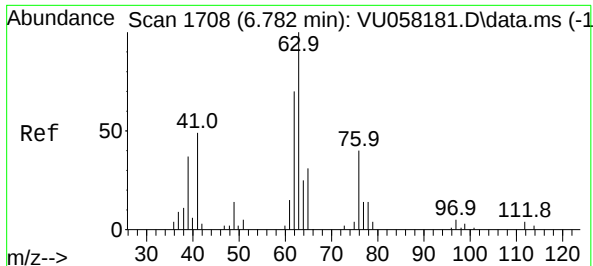
Tgt Ion: 95 Resp: 30039
Ion Ratio Lower Upper
95 100
97 68.2 47.7 88.7
132 90.9 63.6 118.2
130 93.0 65.1 120.9



#35
Methylcyclohexane
Concen: 3.939 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

Tgt Ion: 83 Resp: 41482
Ion Ratio Lower Upper
83 100
55 78.4 62.7 94.1
98 46.6 37.3 55.9

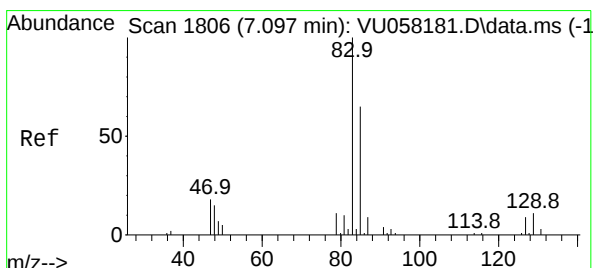
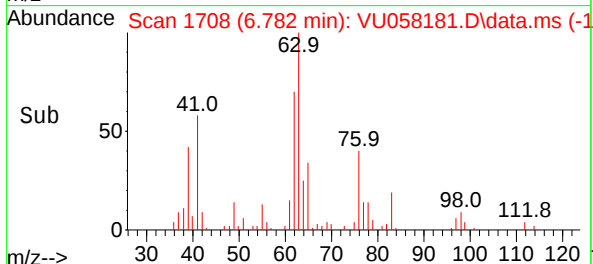
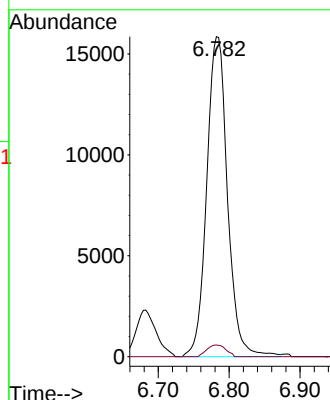
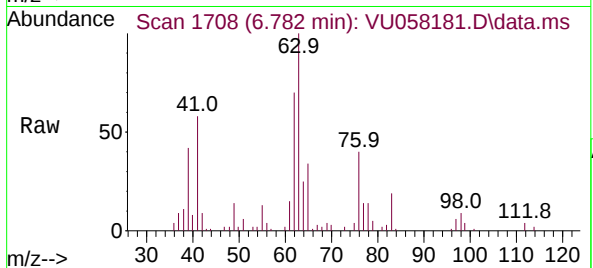




#37
1,2-Dichloropropane
Concen: 4.633 ug/L
RT: 6.782 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

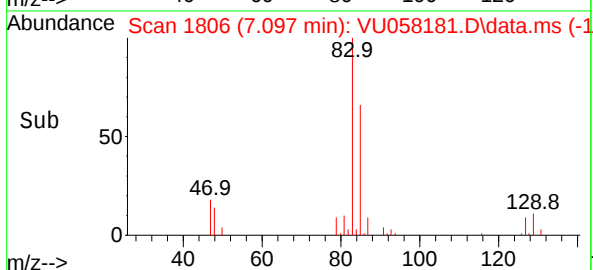
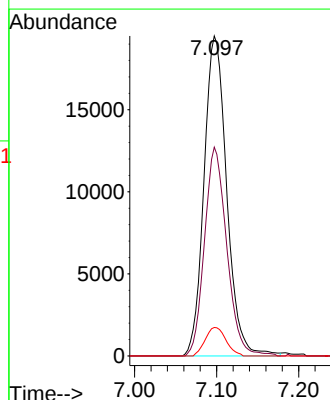
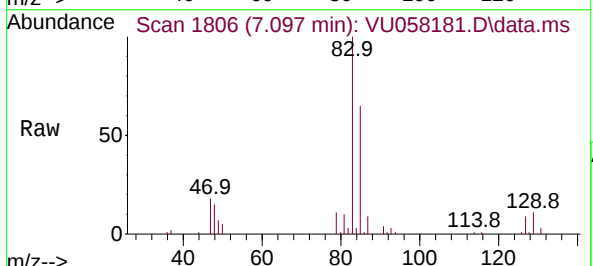
Instrument :
MSVOA_U
ClientSampleId :

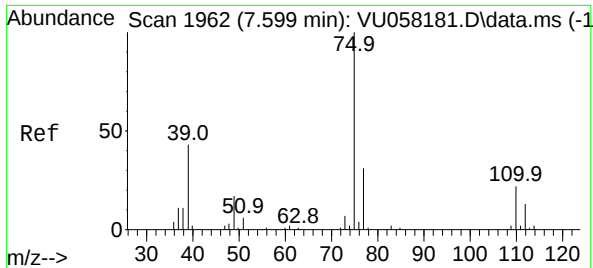
Tgt Ion: 63 Resp: 32282
Ion Ratio Lower Upper
63 100
112 3.4 2.7 4.1



#38
Bromodichloromethane
Concen: 4.473 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

Tgt Ion: 83 Resp: 37556
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.8
127 8.9 7.1 10.7

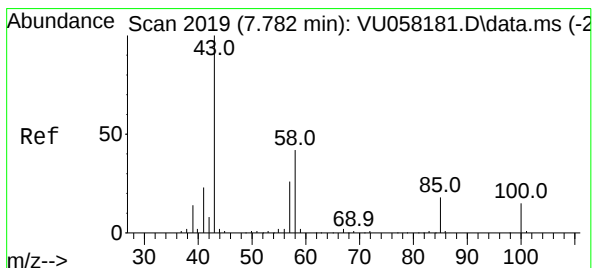
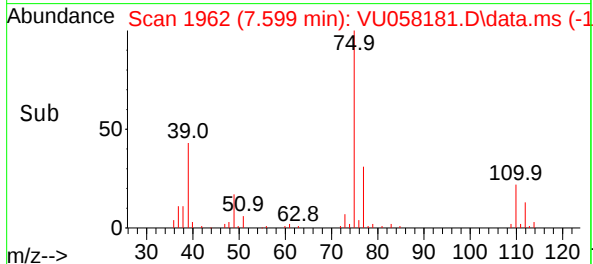
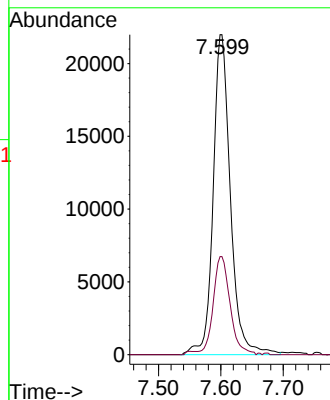
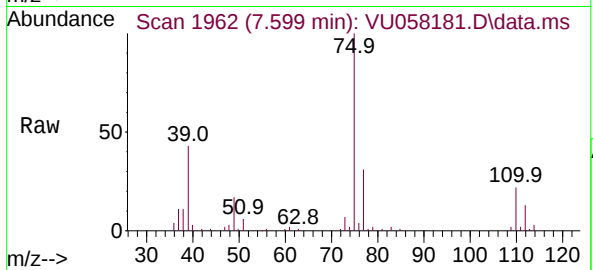




#39
 cis-1,3-Dichloropropene
 Concen: 4.452 ug/L
 RT: 7.599 min Scan# 1962
 Delta R.T. 0.000 min
 Lab File: VU058181.D
 Acq: 21 Mar 2024 12:59

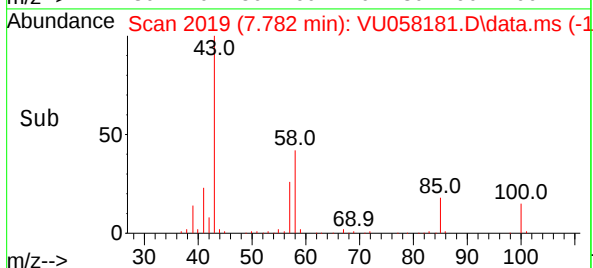
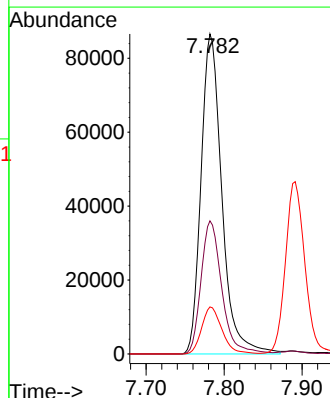
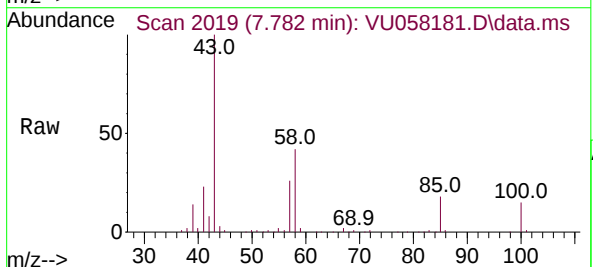
Instrument :
 MSVOA_U
 ClientSampleId :

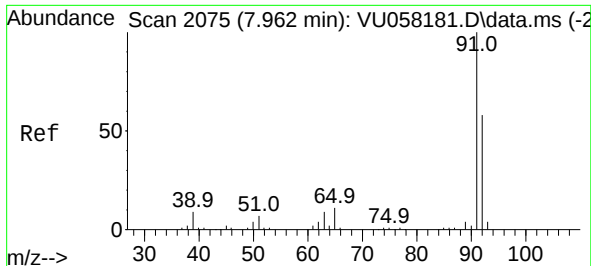
Tgt Ion: 75 Resp: 42243
 Ion Ratio Lower Upper
 75 100
 77 30.6 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 49.821 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VU058181.D
 Acq: 21 Mar 2024 12:59

Tgt Ion: 43 Resp: 160801
 Ion Ratio Lower Upper
 43 100
 58 41.5 33.2 49.8
 100 14.4 11.5 17.3





#42

Toluene

Concen: 4.438 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU058181.D

Acq: 21 Mar 2024 12:59

Instrument :

MSVOA_U

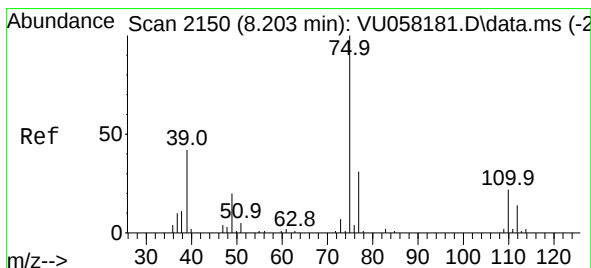
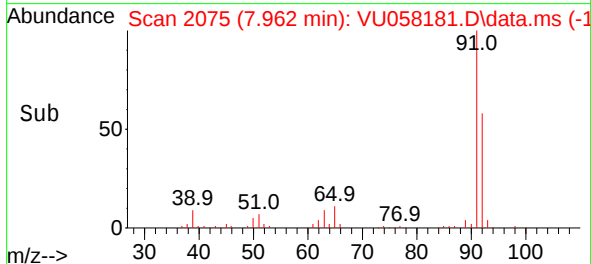
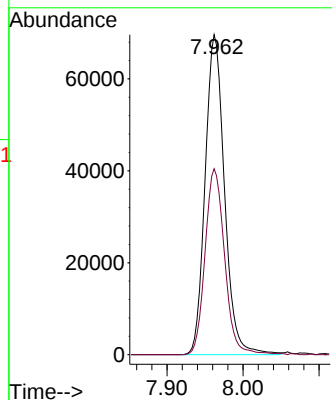
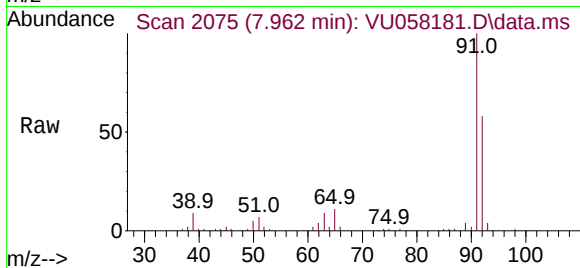
ClientSampleId :

Tgt Ion: 91 Resp: 123419

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 4.433 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU058181.D

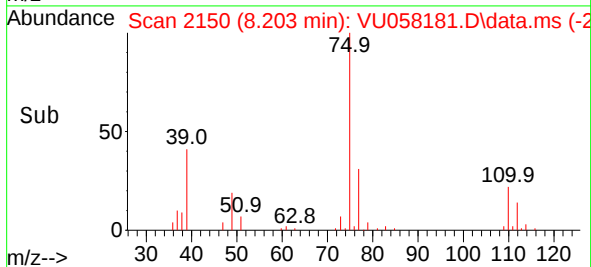
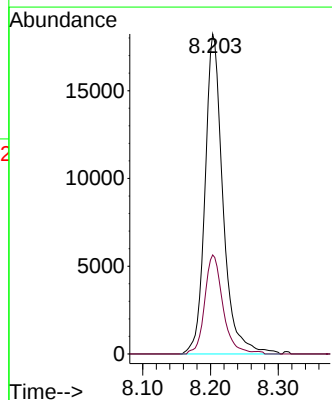
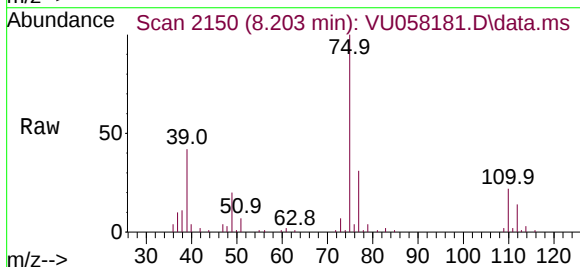
Acq: 21 Mar 2024 12:59

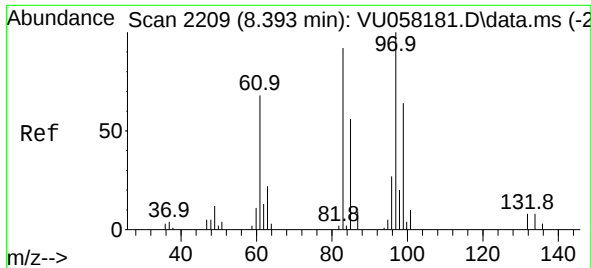
Tgt Ion: 75 Resp: 33555

Ion Ratio Lower Upper

75 100

77 31.0 21.7 40.3

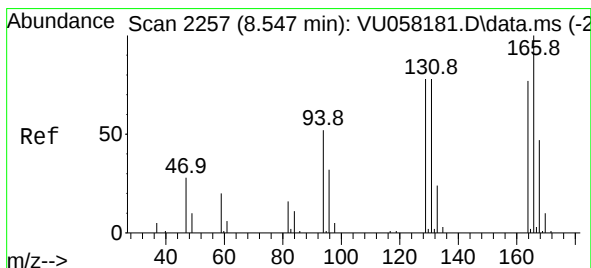
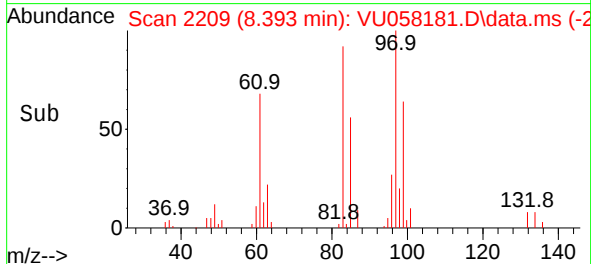
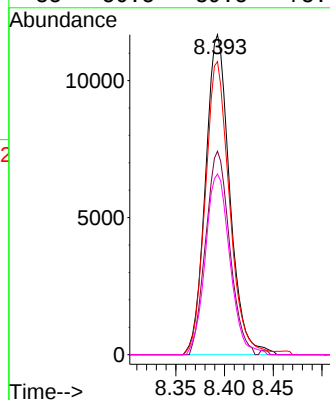
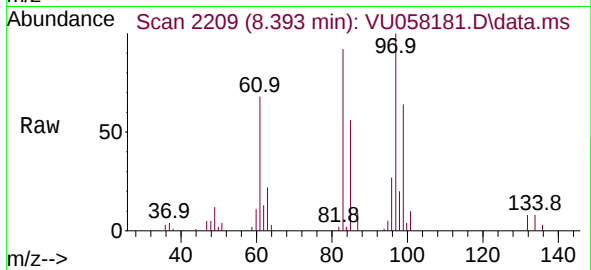




#45
1,1,2-Trichloroethane
Concen: 4.840 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

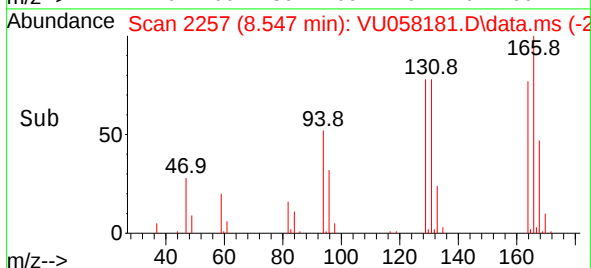
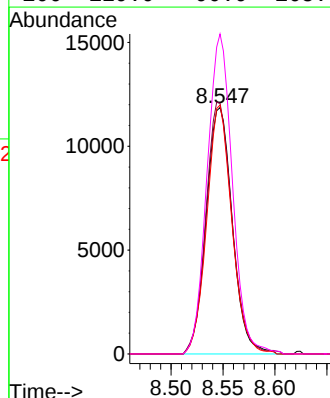
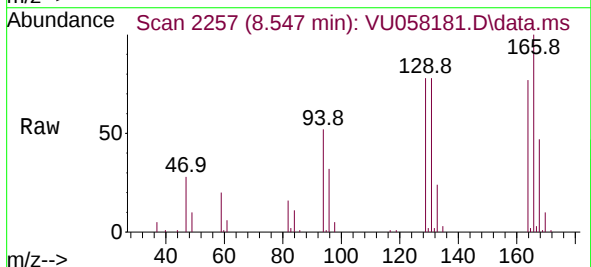
Instrument :
MSVOA_U
ClientSampleId :

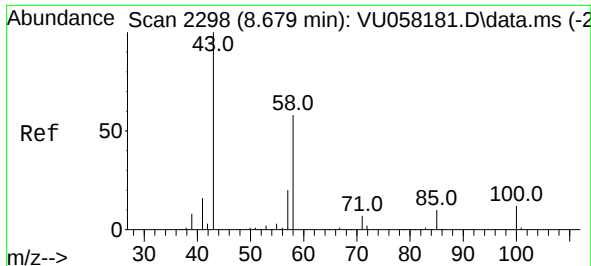
Tgt Ion: 97	Resp: 20193
Ion Ratio	Lower Upper
97 100	
99 63.6	44.5 82.7
83 91.6	64.1 119.1
85 56.5	39.5 73.4



#47
Tetrachloroethene
Concen: 4.257 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

Tgt	Ion:164	Resp:	20747
Ion	Ratio	Lower	Upper
164	100		
129	101.8	71.3	132.3
131	101.1	70.8	131.4
166	129.9	90.9	168.9





#48

2-Hexanone

Concen: 47.921 ug/L

RT: 8.679 min Scan# 2298

Delta R.T. 0.000 min

Lab File: VU058181.D

Acq: 21 Mar 2024 12:59

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 113117

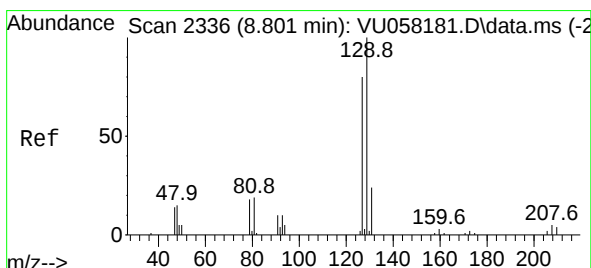
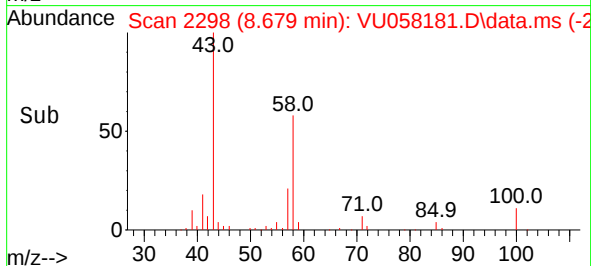
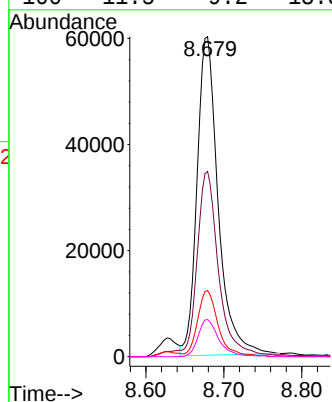
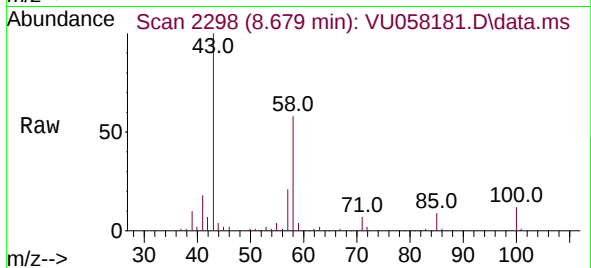
Ion Ratio Lower Upper

43 100

58 60.4 48.3 72.5

57 20.4 16.3 24.5

100 11.5 9.2 13.8



#49

Dibromochloromethane

Concen: 4.646 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU058181.D

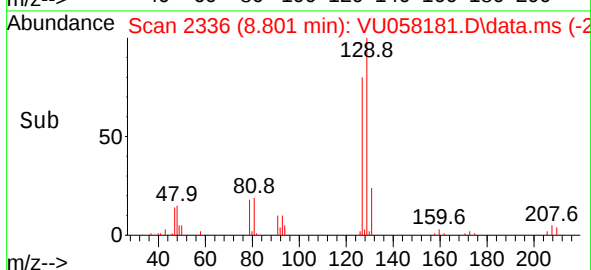
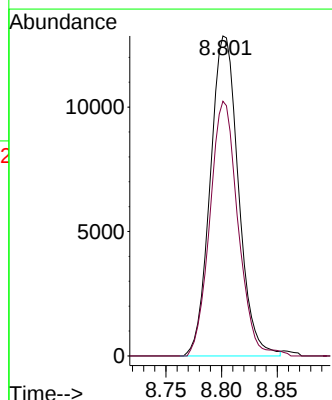
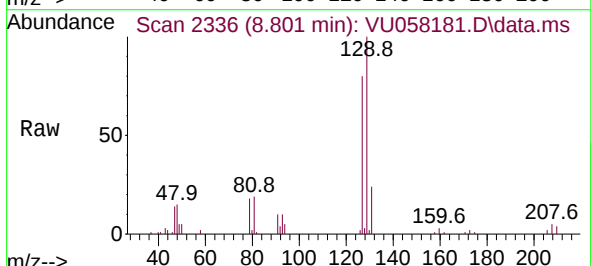
Acq: 21 Mar 2024 12:59

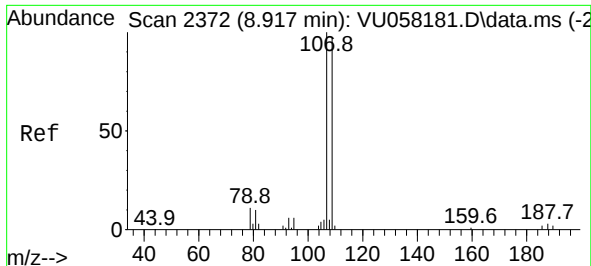
Tgt Ion: 129 Resp: 22648

Ion Ratio Lower Upper

129 100

127 79.6 55.7 103.5





#50

1,2-Dibromoethane

Concen: 4.858 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

Lab File: VU058181.D

Acq: 21 Mar 2024 12:59

Instrument :

MSVOA_U

ClientSampleId :

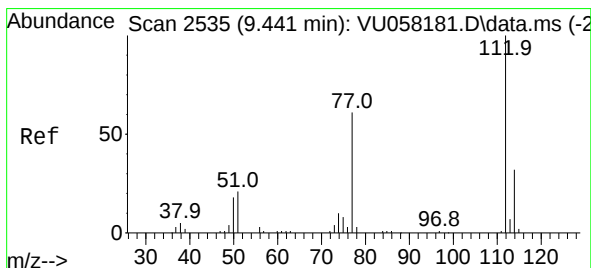
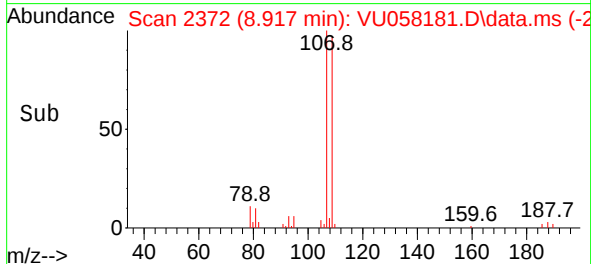
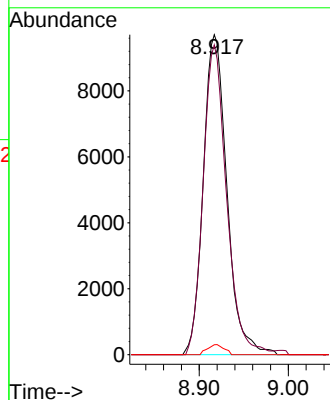
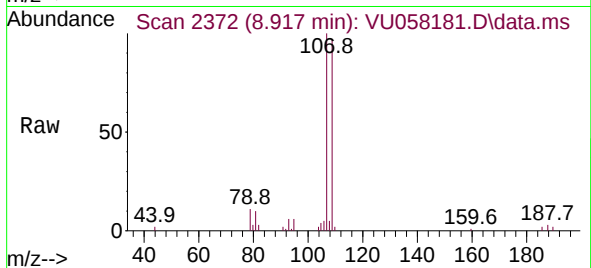
Tgt Ion:107 Resp: 17882

Ion Ratio Lower Upper

107 100

109 96.8 67.8 125.8

188 3.1 2.5 3.7



#51

Chlorobenzene

Concen: 4.497 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU058181.D

Acq: 21 Mar 2024 12:59

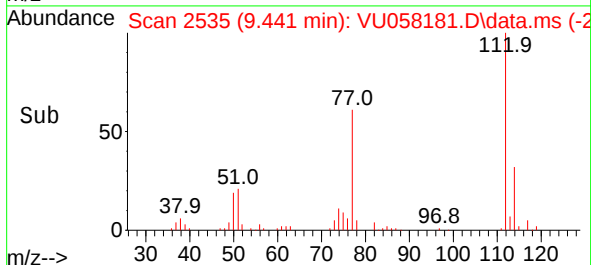
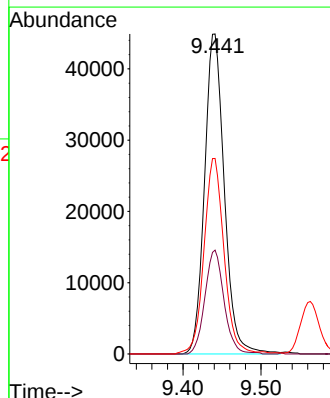
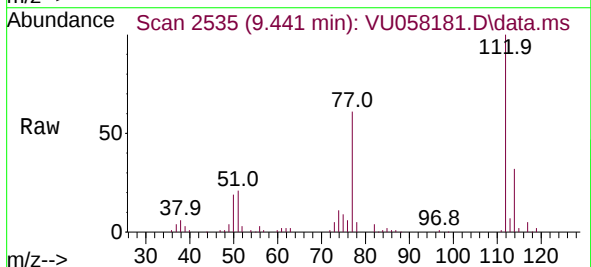
Tgt Ion:112 Resp: 79261

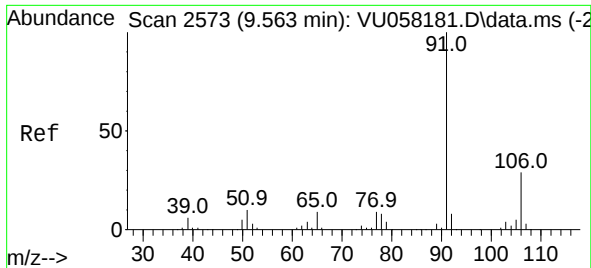
Ion Ratio Lower Upper

112 100

114 32.5 22.7 42.3

77 61.1 48.9 73.3

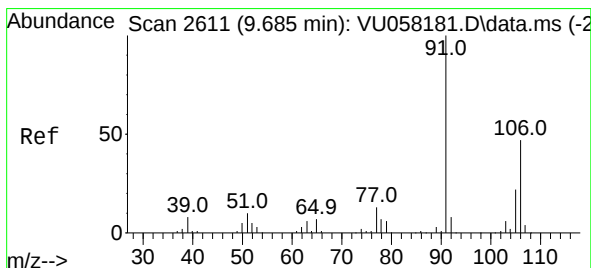
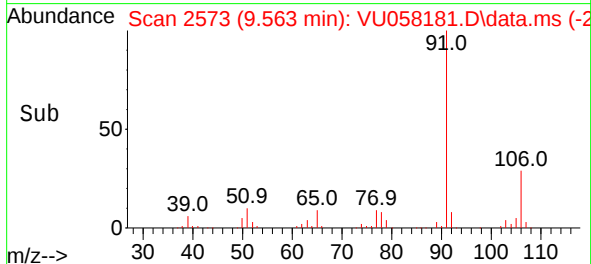
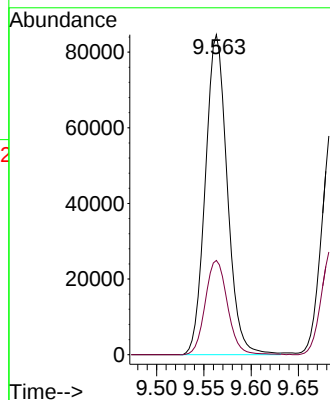
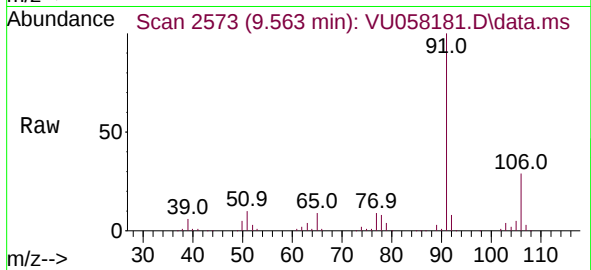




#52
Ethylbenzene
Concen: 4.377 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

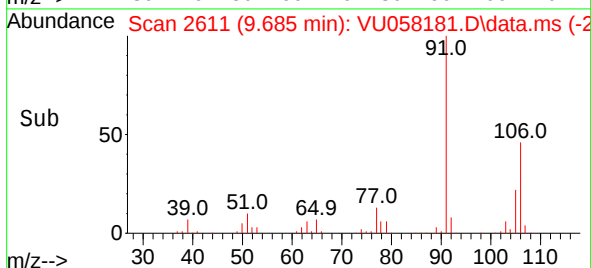
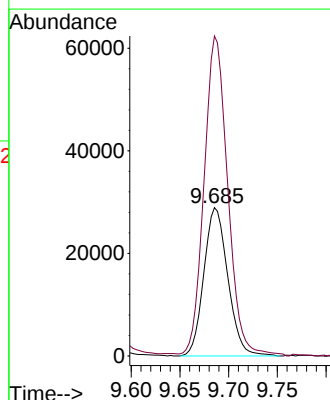
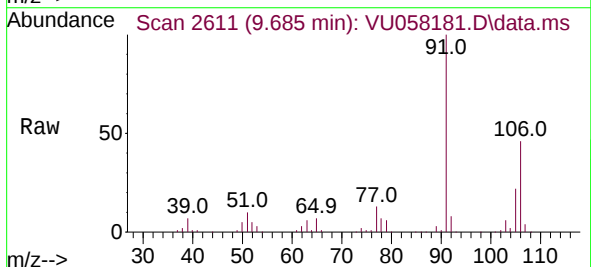
Instrument :
MSVOA_U
ClientSampleId :

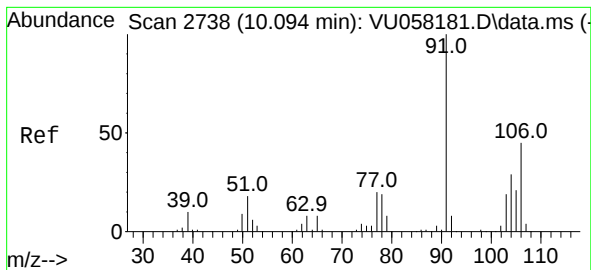
Tgt Ion: 91 Resp: 136516
Ion Ratio Lower Upper
91 100
106 29.4 20.6 38.2



#53
m,p-Xylene
Concen: 4.461 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

Tgt Ion:106 Resp: 49566
Ion Ratio Lower Upper
106 100
91 215.7 151.0 280.4





#54

o-Xylene

Concen: 4.510 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU058181.D

Acq: 21 Mar 2024 12:59

Instrument :

MSVOA_U

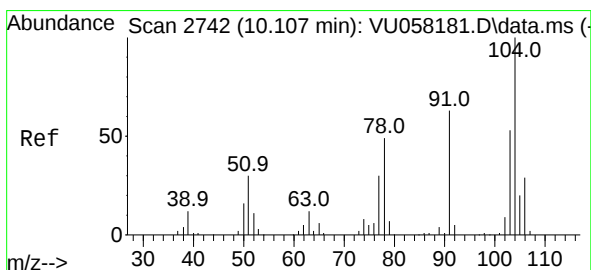
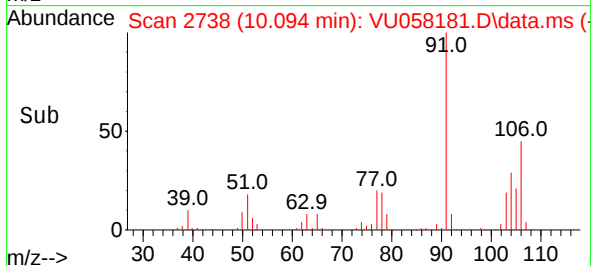
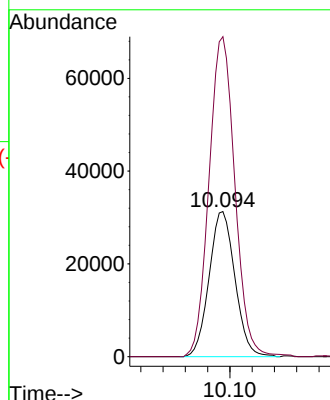
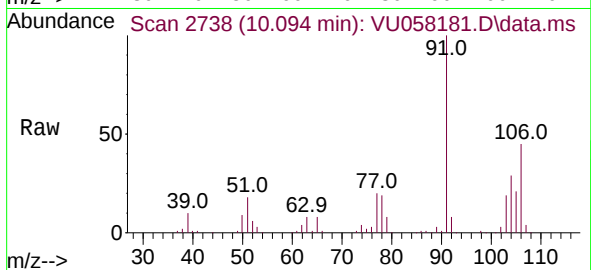
ClientSampleId :

Tgt Ion:106 Resp: 50439

Ion Ratio Lower Upper

106 100

91 220.5 154.3 286.7



#55

Styrene

Concen: 4.564 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU058181.D

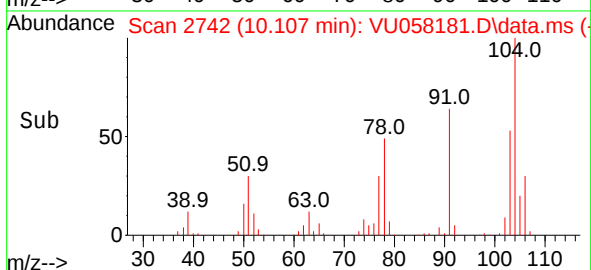
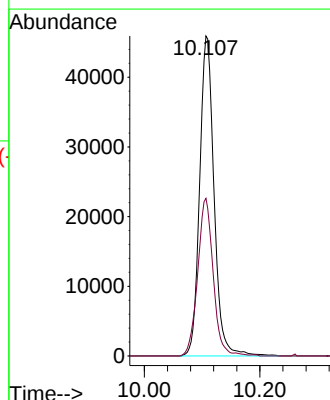
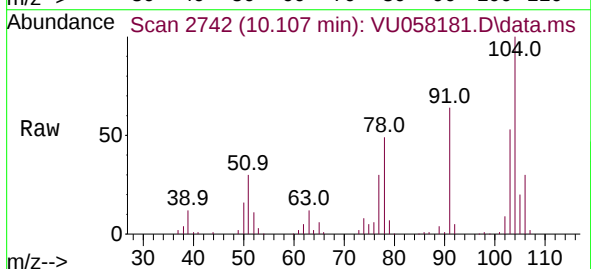
Acq: 21 Mar 2024 12:59

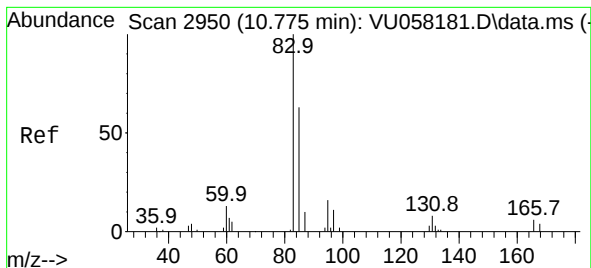
Tgt Ion:104 Resp: 79537

Ion Ratio Lower Upper

104 100

78 49.3 34.5 64.1





#57

1,1,2-Tetrachloroethane

Concen: 4.934 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU058181.D

Acq: 21 Mar 2024 12:59

Instrument :

MSVOA_U

ClientSampleId :

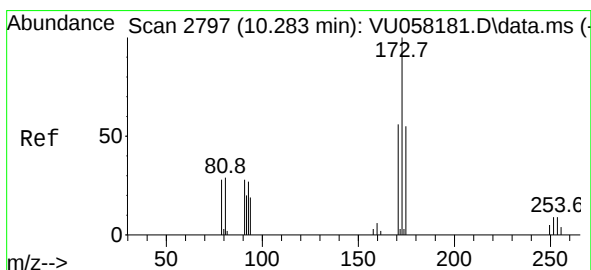
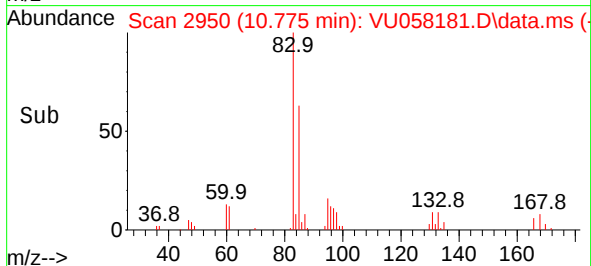
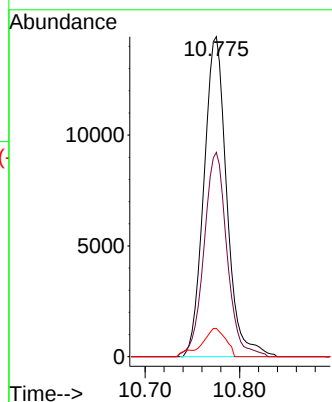
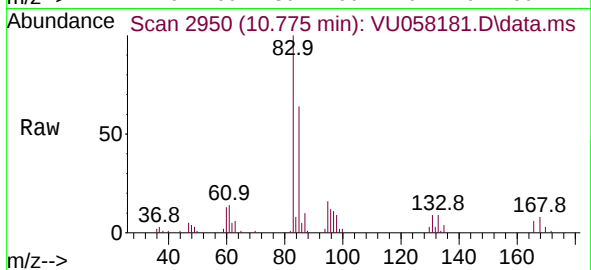
Tgt Ion: 83 Resp: 24278

Ion Ratio Lower Upper

83 100

85 63.8 44.7 82.9

131 8.8 7.0 10.6



#59

Bromoform

Concen: 4.707 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU058181.D

Acq: 21 Mar 2024 12:59

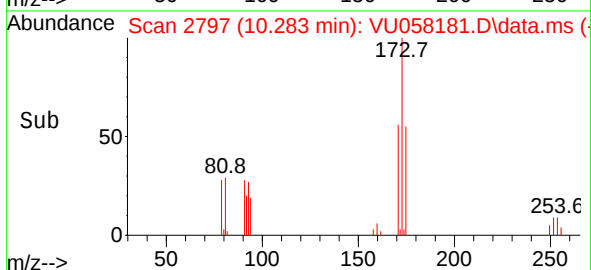
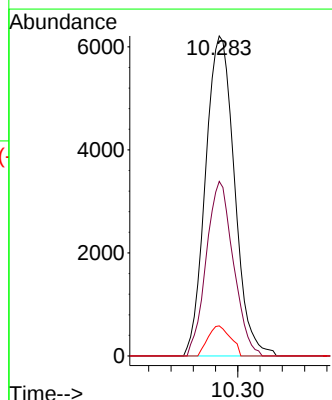
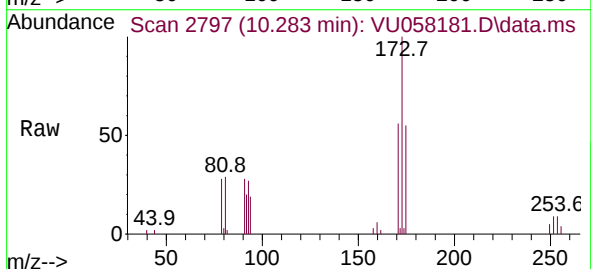
Tgt Ion:173 Resp: 11214

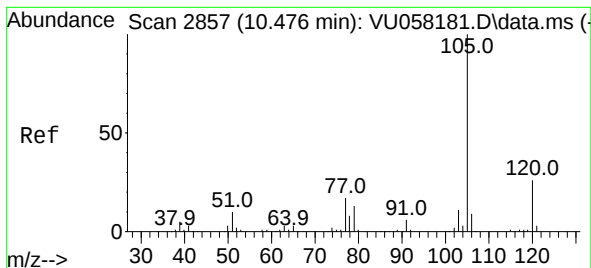
Ion Ratio Lower Upper

173 100

175 51.1 40.9 61.3

254 7.3 5.8 8.8





#60

Isopropylbenzene

Concen: 4.531 ug/L

RT: 10.476 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU058181.D

Acq: 21 Mar 2024 12:59

Instrument :

MSVOA_U

ClientSampleId :

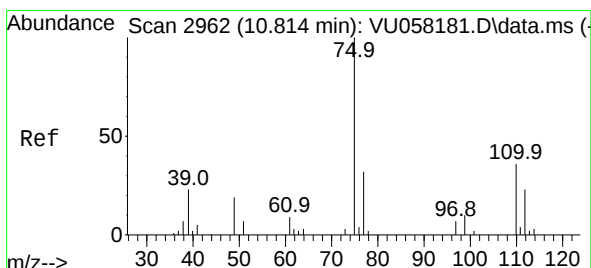
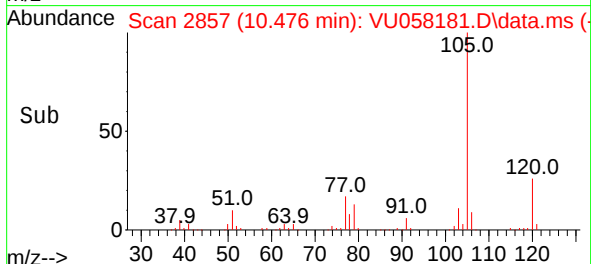
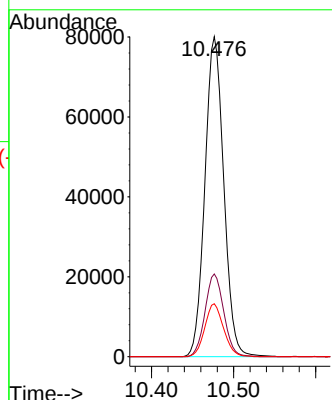
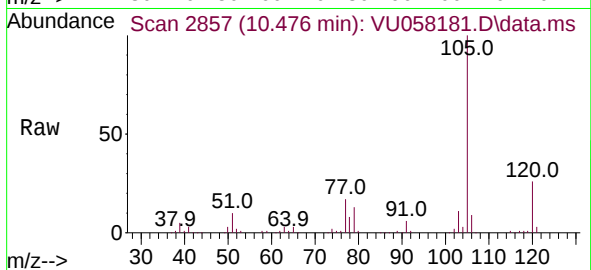
Tgt Ion:105 Resp: 127902

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

77 16.5 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 4.939 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.000 min

Lab File: VU058181.D

Acq: 21 Mar 2024 12:59

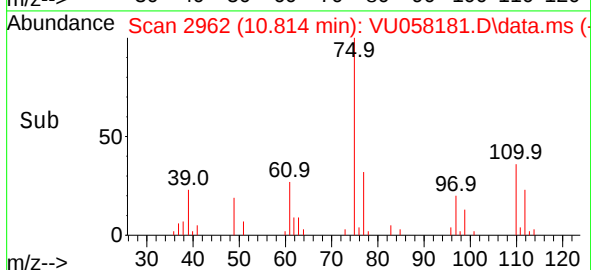
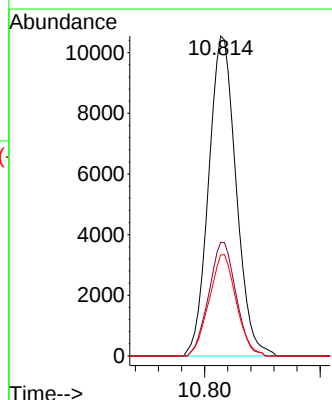
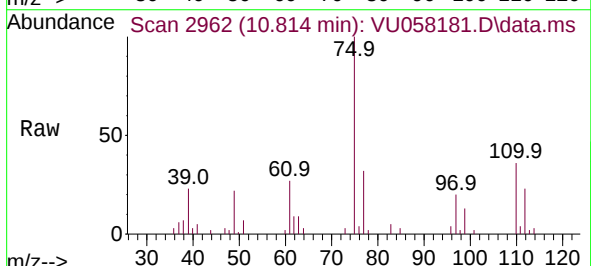
Tgt Ion: 75 Resp: 17396

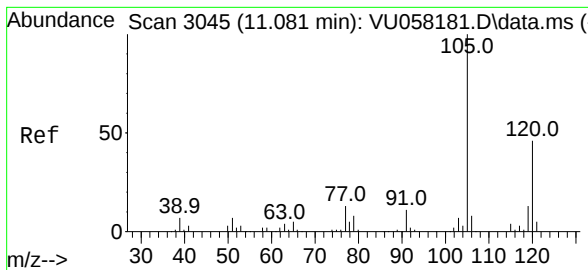
Ion Ratio Lower Upper

75 100

110 35.1 28.1 42.1

77 31.4 25.1 37.7

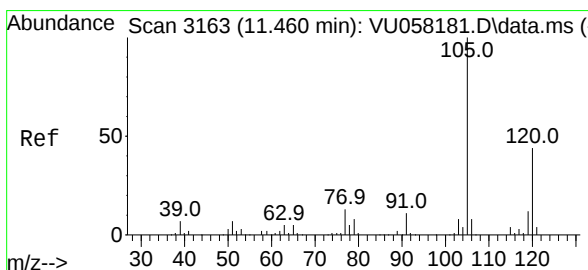
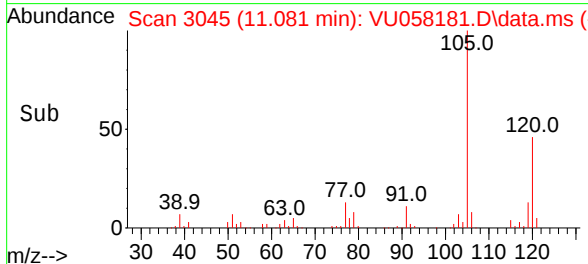
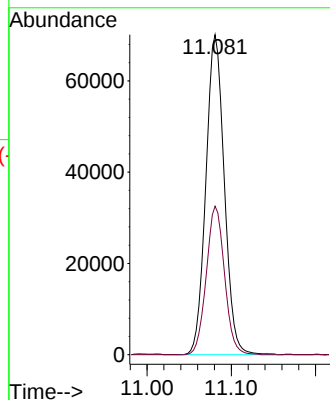
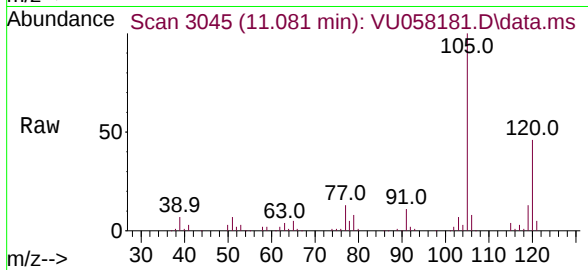




#62
1,3,5-Trimethylbenzene
Concen: 4.489 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

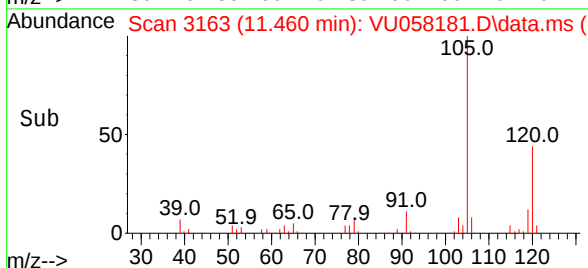
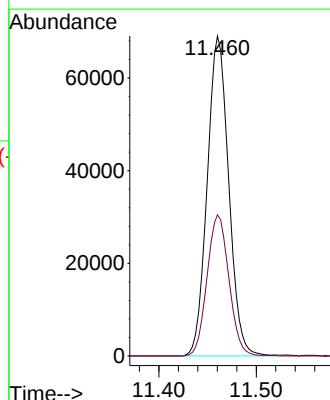
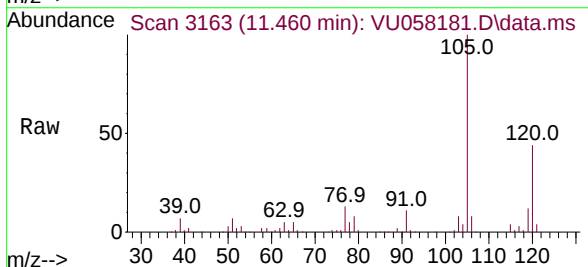
Instrument :
MSVOA_U
ClientSampleId :

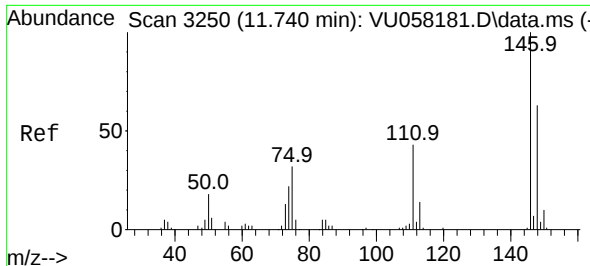
Tgt Ion:105 Resp: 106846
Ion Ratio Lower Upper
105 100
120 45.9 36.7 55.1



#63
1,2,4-Trimethylbenzene
Concen: 4.524 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

Tgt Ion:105 Resp: 105951
Ion Ratio Lower Upper
105 100
120 44.9 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 4.529 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU058181.D

Acq: 21 Mar 2024 12:59

Instrument :

MSVOA_U

ClientSampleId :

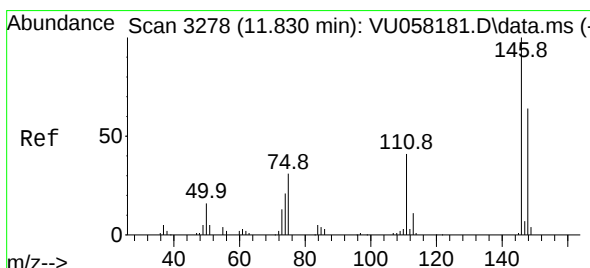
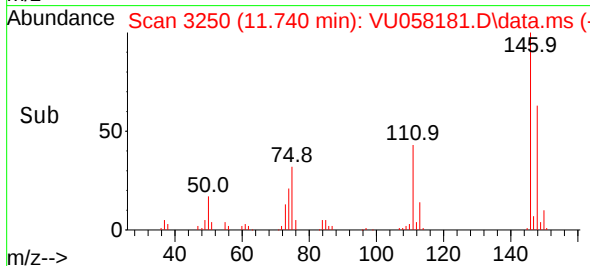
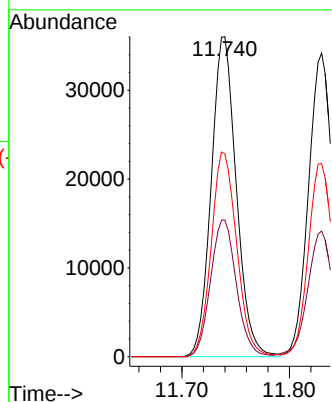
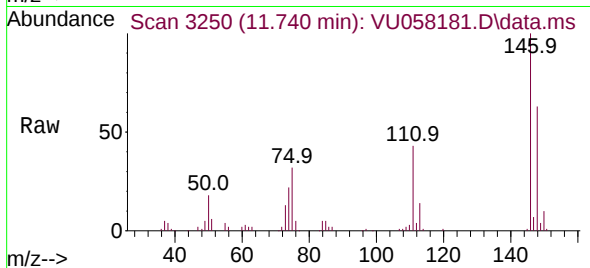
Tgt Ion:146 Resp: 58516

Ion Ratio Lower Upper

146 100

111 42.7 29.9 55.5

148 63.4 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 4.449 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU058181.D

Acq: 21 Mar 2024 12:59

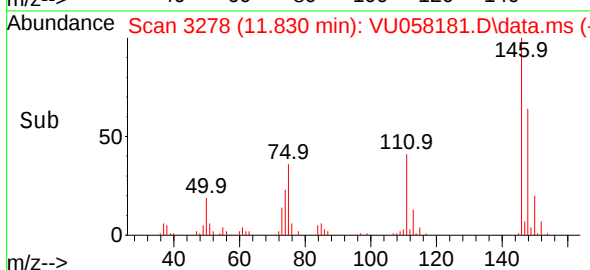
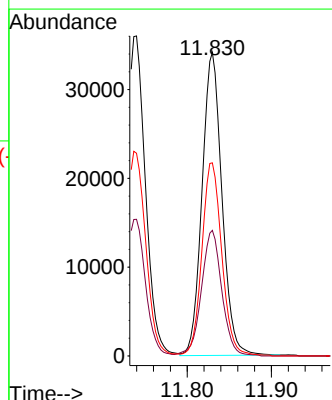
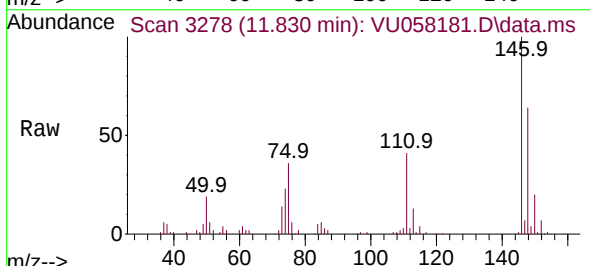
Tgt Ion:146 Resp: 56109

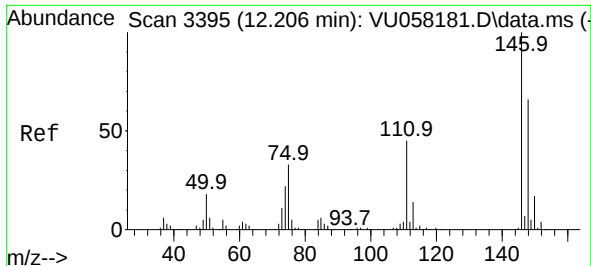
Ion Ratio Lower Upper

146 100

111 41.4 29.0 53.8

148 63.6 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 4.744 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058181.D

Acq: 21 Mar 2024 12:59

Instrument :

MSVOA_U

ClientSampleId :

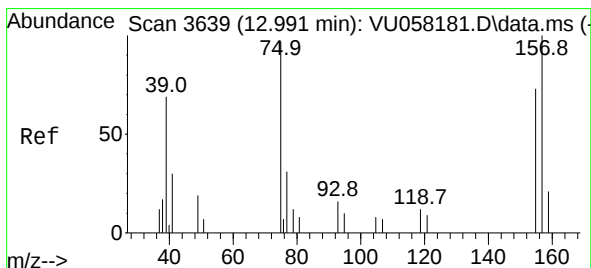
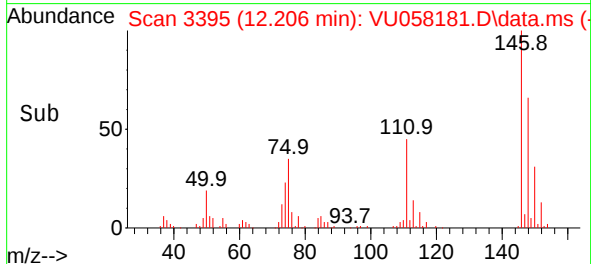
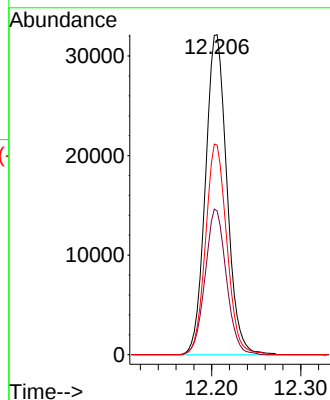
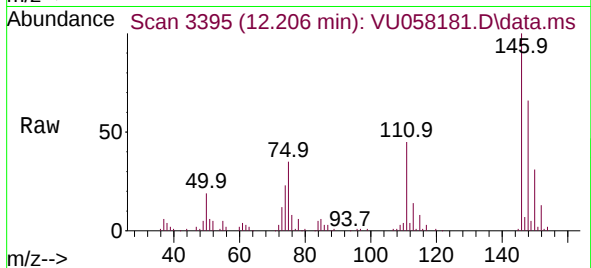
Tgt Ion:146 Resp: 53782

Ion Ratio Lower Upper

146 100

111 44.9 35.9 53.9

148 65.5 52.4 78.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.545 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU058181.D

Acq: 21 Mar 2024 12:59

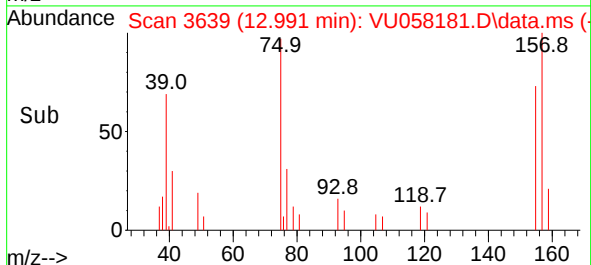
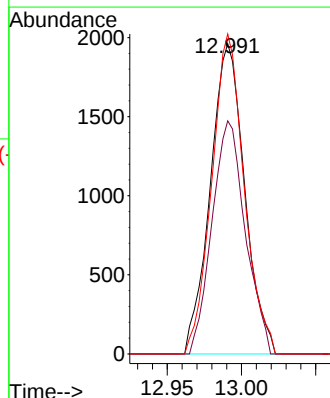
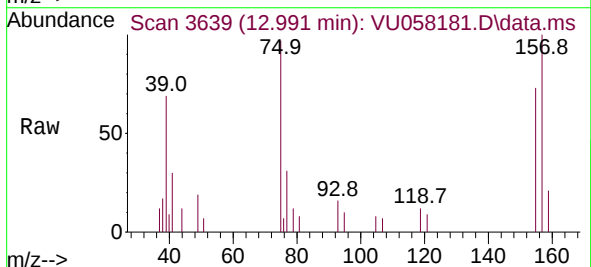
Tgt Ion: 75 Resp: 3150

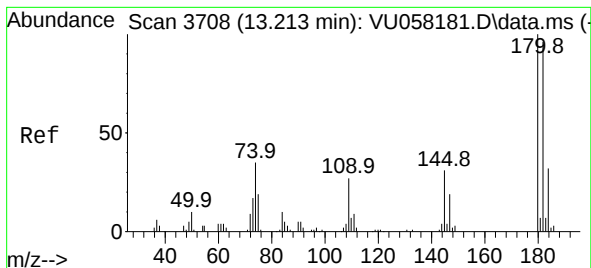
Ion Ratio Lower Upper

75 100

155 75.2 60.2 90.2

157 103.2 82.6 123.8





#69

1,3,5-Trichlorobenzene

Concen: 4.424 ug/L

RT: 13.213 min Scan# 31

Delta R.T. 0.000 min

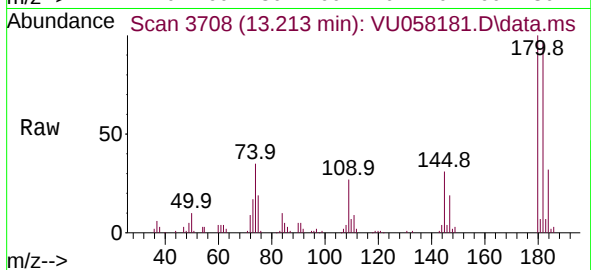
Lab File: VU058181.D

Acq: 21 Mar 2024 12:59

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 40983

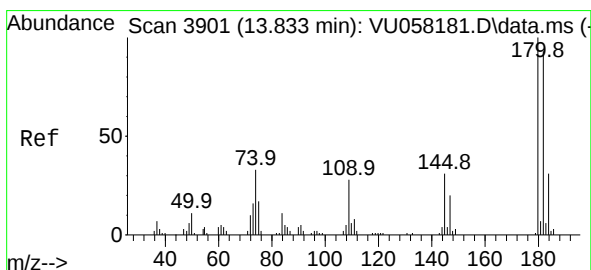
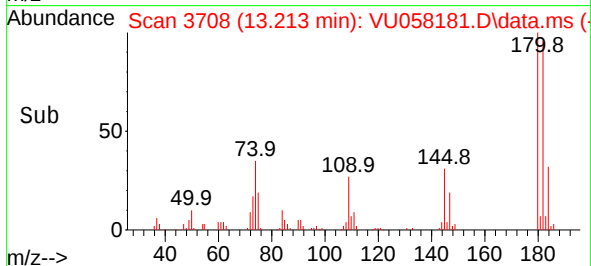
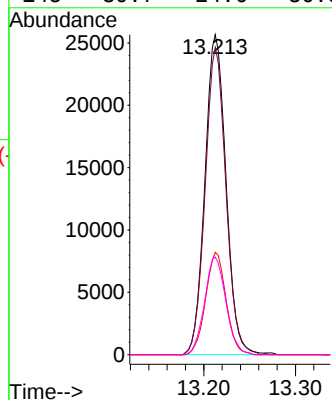
Ion Ratio Lower Upper

180 100

182 94.2 75.4 113.0

184 31.0 24.8 37.2

145 30.7 24.6 36.8



#70

1,2,4-trichlorobenzene

Concen: 4.403 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU058181.D

Acq: 21 Mar 2024 12:59

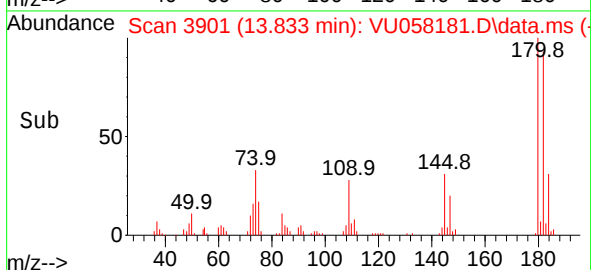
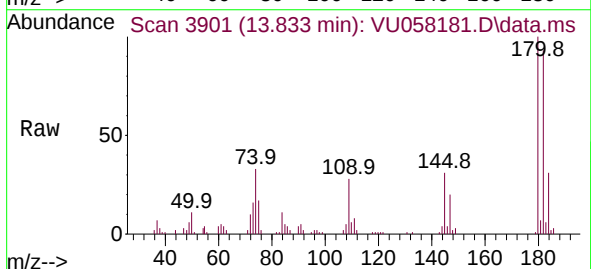
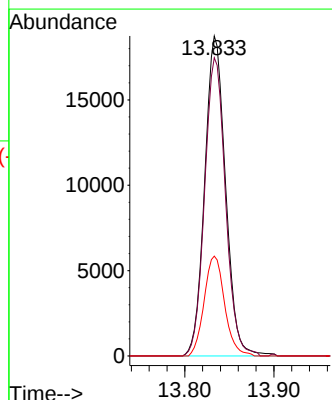
Tgt Ion:180 Resp: 30487

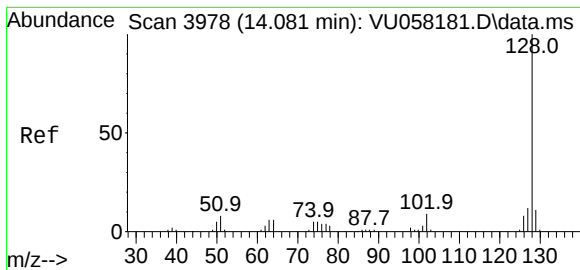
Ion Ratio Lower Upper

180 100

182 93.1 74.5 111.7

145 30.6 24.5 36.7

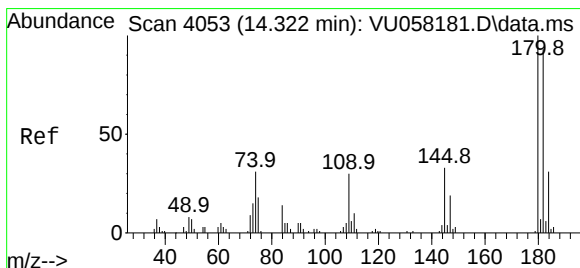
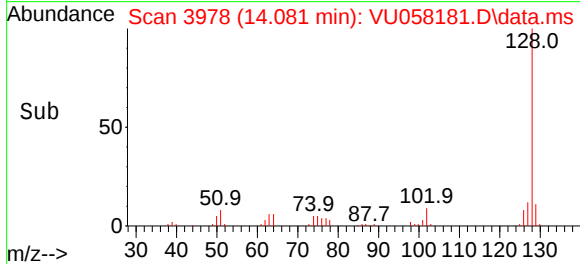
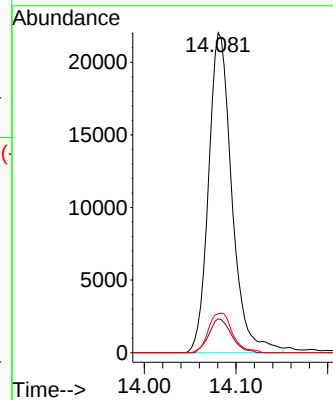
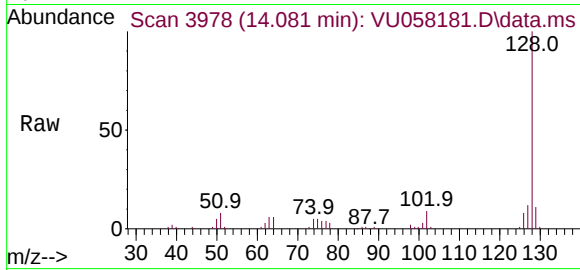




#71
Naphthalene
Concen: 4.123 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 38988
Ion Ratio Lower Upper
128 100
129 10.1 8.1 12.1
127 12.8 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.489 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU058181.D
Acq: 21 Mar 2024 12:59

Tgt Ion:180 Resp: 24827
Ion Ratio Lower Upper
180 100
182 93.0 74.4 111.6
145 32.9 26.3 39.5

